Letters to the Editor

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Comment on the "actual" problem editorial

Supplemental material is available online.

To the Editor:

The recent editorial by Bodnar and Blackstone[1] suggests that the so-called "actual" analysis has been misused at times and makes suggestions for limiting its future use. I generally agree with the editorial.

However, the method is mathematically valid and does have some important uses. I fear that in overreacting to some misuses we run the risk of throwing out the baby with the bath water. In this letter, I discuss some of the mathematical background and some applications in which use of competing risks analysis is critical for proper understanding of a clinical situation.

I agree with the editorial that the term "actual" is potentially misleading and that other terminology should be used. The general area of analysis is often referred to as "competing risks" analysis, and the term "cumulative incidence" seems to be widely accepted in this area. I agree with the suggestion that the term "cumulative incidence" be used.

One point that must be made is that competing risks analysis rests on a completely sound mathematical footing, and cumulative incidence is a precisely defined mathematical concept. The general setting is that there are two (or more) competing risks. Each risk will have its own probability distribution, and the concept of the first event to be observed is precisely defined. Theoretical treatments are given in Kalbfleisch and Prentice[2] and Andersen and associates[3]; formula 4.4.19 of the latter reference includes a derivation of the standard error. A rather more readable treatment, which clearly illustrates the difference between Kaplan–Meier (actuarial) analysis and competing risks analysis, is given by Gooley and colleagues.[4]

The methodology of competing risks is standard in many medical areas. The article by Gaynor and coworkers[5] discusses an oncology example with three competing risks; a standard error formula is given, but it is more difficult to use than the one in the article by Andersen and associates.[3] The article by Klein[6] is also in the oncology area; it discusses handling of covariates.

In all of the aforementioned references the probability of a particular event being the first event observed is computed as a function of time; the term "cumulative incidence" is used to denote the graph showing these probabilities. (Note that the term "cumulative hazard" is often used for a different concept; the two should not be confused.)

In the valve examples studied by Blackstone and Kirklin[7] and by Grunkemeier and colleagues,[8] there will be some true mathematical distribution for valve failure, and there will be another true mathematical distribution for death. In the actuarial analysis of valve failure, death is merely a circumstance that prevents one from observing failure events. The end of follow-up in a clinical trial also prevents observation of failure. Both circumstances have the same meaning to the statistician, albeit not to the patient; in either case, data are censored at the last time that the valve was known to be good. The Kaplan–Meier algorithm is well suited for estimating both the valve failure and death distributions, but there are circumstances in which a parametric model is preferable.

There will also be some true mathematical distribution for the random variable *valve failure observed before death.* This distribution could be computed if the other two distributions were known; if one has a series of patient data, the distribution must be estimated. In this situation a patient death directly affects the cumulative incidence estimate, because this represents a case in which the first event will not be valve failure. The end of follow-up still causes censoring, because in such a case one does not know which event would ultimately occur first. The distribution to be estimated here is mathematically different from the distribution of valve failure, and the algorithms are accordingly different.

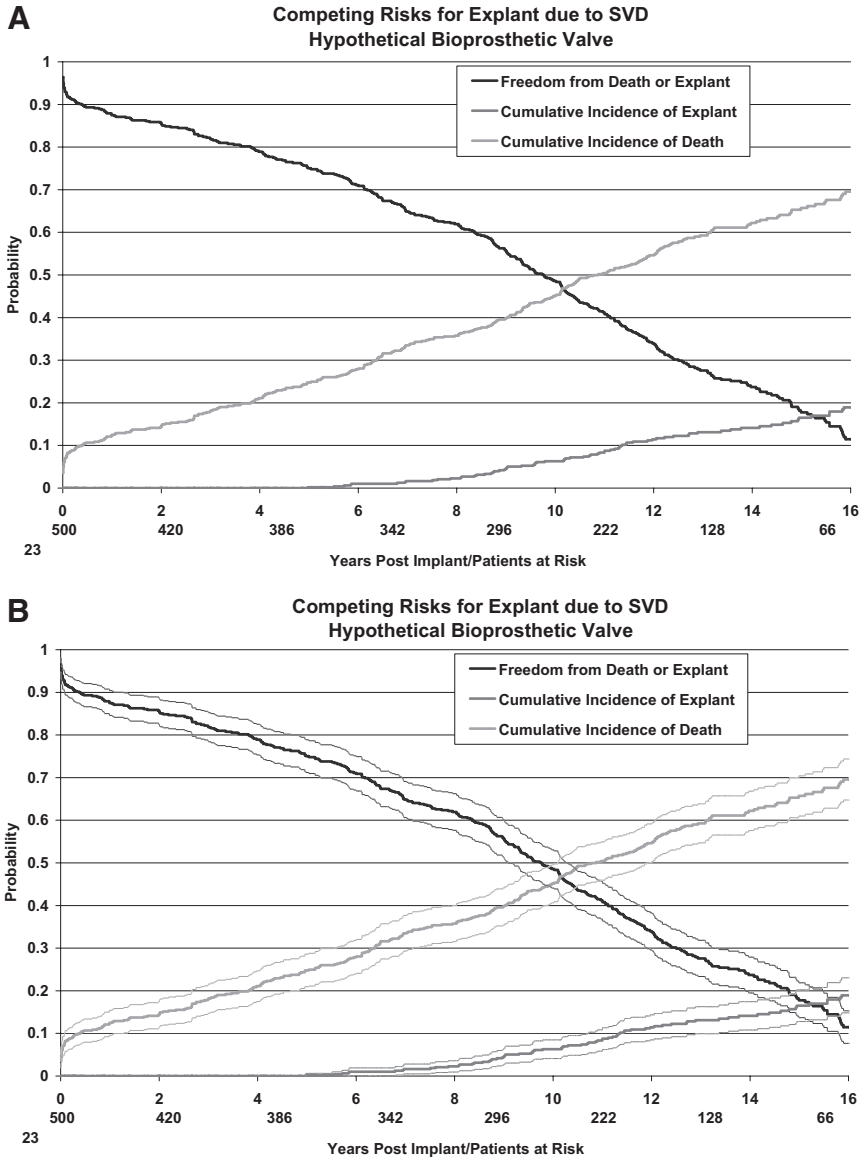

Figure 1. Competing risks graph for explant due to structural valve deterioration: hypothetical bioprosthetic valve. *Dotted lines* represent 95% confidence limits.

Competing risks analysis is not implemented as a standard part of SAS (SAS Institute, Inc, Cary, NC); however, the SAS code, including the standard error estimates of reference 3, has been published by Anderson.[9]

As an example of correct use of competing risks analysis, the valve studies[7,8] considered advising a patient as to his or her own future risks. Other situations would include an insurance company that might want to estimate the potential cost of replacement surgery or a valve manufacturer that might want to estimate future sales of replacement valves. The Kaplan–Meier analysis would not be appropriate in any of these cases; meaningful results cannot be obtained without use of competing risks analysis.

Another example comes from left ventricular assist devices. There are current clinical studies involving a combined end point of death, device failure, and stroke. Whichever event comes first defines the end point for the particular patient; censoring is almost exclusively the result of a patient being alive and event-free at the end of follow-up. In planning such a trial, it is vital for a manufacturer to use competing risks analysis to study the cumulative incidence of the various components of the combined end point.

Finally, there are the numerous oncology studies, including two aforementioned articles[5,6]; the article by Freidlin and Korn[10] also includes a simulation comparing different analysis methods.

If one is going to present competing risks analysis, in the above or other circumstances in which the analysis is appropriate, the question remains as to how the results might be presented. I have two suggestions.

First, I suggest that it may be useful to present on one set of axes a graph with three (or more) curves. There will be one curve showing the cumulative incidence of each risk. There will also be one curve showing the freedom from all events. In these graphs the various cumulative incidence curves increase, and the freedom from all events decreases; at all times the values represented by the curves add to 1. There is no place in this graph for the Kaplan–Meier actuarial curves showing freedom from individual events; using the vocabulary of Blackstone and Bodnar, the competing risks curves present the apples, and the actuarial curves are the oranges.

An example of such a graph is shown in Figure 1; the analysis is of explant resulting from structural valve deterioration for a hypothetical bioprosthetic valve. Literature examples of such graphs include Figure 1 in Banbury and colleagues,[11] Figure 3 in Blackstone and Lytle,[12] and Figure 3 in Kojori and colleagues.[13]

Second, I suggest that one should never present the cumulative incidence curve without also presenting the corresponding actuarial curve somewhere in the manuscript. Even if the real interest is in the cumulative incidence, presenting both will help to ensure that readers do not misinterpret the results. The Kaplan–Meier graph for freedom from structural valve deterioration, based on the same hypothetical data set, is shown in Figure 2.

The graphs are not complete without some measure of the errors involved. Both graphs presented here show the patients at risk, and these numbers are mathematically

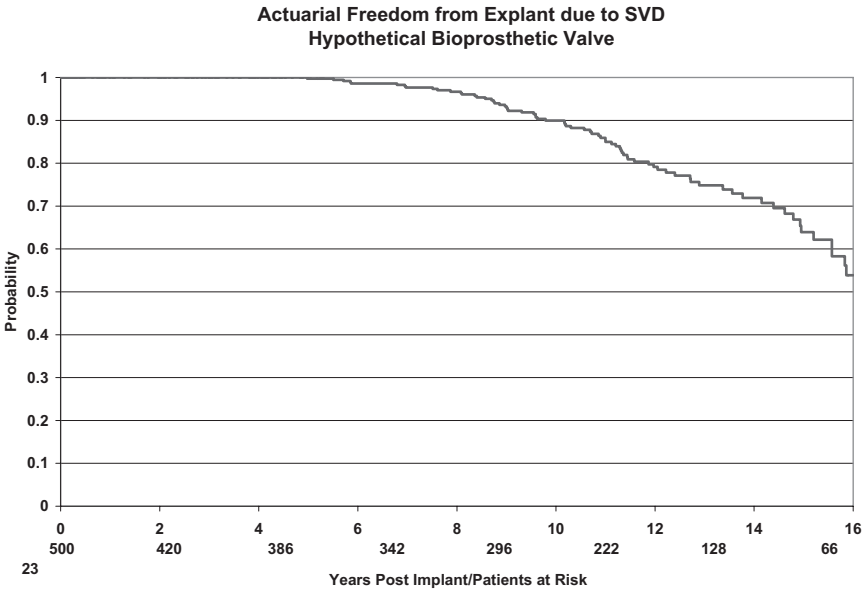

Figure 2. Actuarial freedom from explant due to structural valve deterioration: hypothetical bioprosthetic valve.

the same for the two graphs. The competing risks graph also shows 95% confidence limits. One could also show error bars at selected time points. At least one of the three should always be done.

The influence of age on valve failure presents an important issue, and it is natural to include age as a covariate in actuarial analysis. In this context, actuarial analysis is generally performed with the Cox proportional hazards algorithm. The results of such an analysis are widely known: valves last somewhat longer in older patients. If different valve models are being compared, the valve model effect can be separated from the age effect by proportional hazards.

Alternatively, patients can be stratified into age groups, and then the Kaplan–Meier algorithm can be used within each age group; slight differences in age distribution will not have much impact on the final results. Countless valve series have been presented using various age stratifications, and valuable comparisons can be made from published data.

The situation is considerably different with competing risks analysis. Age has a dramatic effect on patient survival, and this translates directly into a dramatic effect on cumulative incidence of valve failure. Inasmuch as this effect goes in the same direction as the known effect of age on valve failure itself, the combination of the effects makes it virtually impossible to validly compare cumulative incidence curves from different valve series. I agree with the recommendation of Blackstone and Bodnar that this comparison should never be done. I would go further and suggest that cumulative incidence curves from different series should never be presented together in the same graph; the temptation to do an invalid comparison is simply too strong.

If one had complete outcome and covariate information for all patients, a proportional hazards version of the competing risks analysis could in principle be performed.[2,6,14] No single analyst would generally have such data for valves from different manufacturers. Even if such data were available, I suggest that it would be much safer to use actuarial analysis to compare valves; the latter removes one source of noise, and it does not seem that the competing risks analysis adds anything valuable to the comparison.

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Appendix E1. Graph table for article

Years to event	Standard error of freedom from all events	Standard error of incidence of event 1	Standard error of incidence of event 2	Freedom from all events	Incidence of event 1	Freedom from event 1	Incidence of event 2	Freedom from event 2
0	0.008331	0	0.008331	0.964	0	1	0.036	0.964
0.01	0.008331	0	0.008331	0.964	0	1	0.036	0.964
0.01	0.00977	0	0.00977	0.9499	0	1	0.0501	0.9499
0.02	0.00977	0	0.00977	0.9499	0	1	0.0501	0.9499
0.02	0.010656	0	0.010656	0.9398	0	1	0.0602	0.9398
0.03	0.010656	0	0.010656	0.9398	0	1	0.0602	0.9398
0.03	0.010822	0	0.010822	0.9378	0	1	0.0622	0.9378
0.04	0.010822	0	0.010822	0.9378	0	1	0.0622	0.9378
0.04	0.011459	0	0.011459	0.9297	0	1	0.0703	0.9297
0.07	0.011459	0	0.011459	0.9297	0	1	0.0703	0.9297
0.07	0.01176	0	0.01176	0.9257	0	1	0.0743	0.9257
0.08	0.01176	0	0.01176	0.9257	0	1	0.0743	0.9257
0.08	0.012051	0	0.012051	0.9216	0	1	0.0784	0.9216
0.09	0.012051	0	0.012051	0.9216	0	1	0.0784	0.9216
0.09	0.012333	0	0.012333	0.9176	0	1	0.0824	0.9176
0.14	0.012333	0	0.012333	0.9176	0	1	0.0824	0.9176
0.14	0.01247	0	0.01247	0.9156	0	1	0.0844	0.9156
0.15	0.01247	0	0.01247	0.9156	0	1	0.0844	0.9156
0.15	0.012605	0	0.012605	0.9135	0	1	0.0865	0.9135
0.18	0.012605	0	0.012605	0.9135	0	1	0.0865	0.9135
0.18	0.012738	0	0.012738	0.9115	0	1	0.0885	0.9115
0.22	0.012738	0	0.012738	0.9115	0	1	0.0885	0.9115
0.22	0.012738	0	0.012738	0.9115	0	1	0.0885	0.9115
0.23	0.012738	0	0.012738	0.9115	0	1	0.0885	0.9115
0.23	0.01287	0	0.01287	0.9095	0	1	0.0905	0.9095
0.25	0.01287	0	0.01287	0.9095	0	1	0.0905	0.9095
0.25	0.013	0	0.013	0.9075	0	1	0.0925	0.9075
0.26	0.013	0	0.013	0.9075	0	1	0.0925	0.9075
0.26	0.013128	0	0.013128	0.9054	0	1	0.0946	0.9054
0.27	0.013128	0	0.013128	0.9054	0	1	0.0946	0.9054
0.27	0.013128	0	0.013128	0.9054	0	1	0.0946	0.9054
0.28	0.013128	0	0.013128	0.9054	0	1	0.0946	0.9054
0.28	0.013254	0	0.013254	0.9034	0	1	0.0966	0.9034
0.32	0.013254	0	0.013254	0.9034	0	1	0.0966	0.9034
0.32	0.013379	0	0.013379	0.9014	0	1	0.0986	0.9014
0.38	0.013379	0	0.013379	0.9014	0	1	0.0986	0.9014
0.38	0.013502	0	0.013502	0.8993	0	1	0.1007	0.8993
0.41	0.013502	0	0.013502	0.8993	0	1	0.1007	0.8993
0.41	0.013623	0	0.013623	0.8973	0	1	0.1027	0.8973
0.43	0.013623	0	0.013623	0.8973	0	1	0.1027	0.8973
0.43	0.013743	0	0.013743	0.8953	0	1	0.1047	0.8953
0.47	0.013743	0	0.013743	0.8953	0	1	0.1047	0.8953
0.47	0.013861	0	0.013861	0.8933	0	1	0.1067	0.8933
0.64	0.013861	0	0.013861	0.8933	0	1	0.1067	0.8933
0.64	0.013977	0	0.013977	0.8912	0	1	0.1088	0.8912

0.74	0.013977	0	0.013977	0.8912	0	1	0.1088	0.8912
0.74	0.014092	0	0.014092	0.8892	0	1	0.1108	0.8892
0.79	0.014092	0	0.014092	0.8892	0	1	0.1108	0.8892
0.79	0.014205	0	0.014205	0.8872	0	1	0.1128	0.8872
0.84	0.014205	0	0.014205	0.8872	0	1	0.1128	0.8872
0.84	0.014317	0	0.014317	0.8851	0	1	0.1149	0.8851
0.85	0.014317	0	0.014317	0.8851	0	1	0.1149	0.8851
0.85	0.014428	0	0.014428	0.8831	0	1	0.1169	0.8831
0.88	0.014428	0	0.014428	0.8831	0	1	0.1169	0.8831
0.88	0.014537	0	0.014537	0.8811	0	1	0.1189	0.8811
0.89	0.014537	0	0.014537	0.8811	0	1	0.1189	0.8811
0.89	0.014644	0	0.014644	0.879	0	1	0.121	0.879
0.99	0.014644	0	0.014644	0.879	0	1	0.121	0.879
0.99	0.014855	0	0.014855	0.875	0	1	0.125	0.875
1.05	0.014855	0	0.014855	0.875	0	1	0.125	0.875
1.05	0.014959	0	0.014959	0.8729	0	1	0.1271	0.8729
1.08	0.014959	0	0.014959	0.8729	0	1	0.1271	0.8729
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1.37	0.015262	0	0.015262	0.8669	0	1	0.1331	0.8669
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1.41	0.015458	0	0.015458	0.8628	0	1	0.1372	0.8628
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1.76	0.015555	0	0.015555	0.8608	0	1	0.1392	0.8608
1.76	0.01565	0	0.01565	0.8587	0	1	0.1413	0.8587
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1.97	0.01565	0	0.01565	0.8587	0	1	0.1413	0.8587
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3.84	0.018097	0	0.018097	0.7975	0	1	0.2025	0.7975
3.88	0.018097	0	0.018097	0.7975	0	1	0.2025	0.7975
3.88	0.018165	0	0.018165	0.7954	0	1	0.2046	0.7954
3.9	0.018165	0	0.018165	0.7954	0	1	0.2046	0.7954
3.9	0.018233	0	0.018233	0.7934	0	1	0.2066	0.7934
3.92	0.018233	0	0.018233	0.7934	0	1	0.2066	0.7934
3.92	0.018301	0	0.018301	0.7913	0	1	0.2087	0.7913
3.98	0.018301	0	0.018301	0.7913	0	1	0.2087	0.7913
3.98	0.018367	0	0.018367	0.7893	0	1	0.2107	0.7893
4.05	0.018367	0	0.018367	0.7893	0	1	0.2107	0.7893
4.05	0.018433	0	0.018433	0.7872	0	1	0.2128	0.7872
4.07	0.018433	0	0.018433	0.7872	0	1	0.2128	0.7872
4.07	0.018563	0	0.018563	0.7831	0	1	0.2169	0.7831
4.11	0.018563	0	0.018563	0.7831	0	1	0.2169	0.7831
4.11	0.018627	0	0.018627	0.7811	0	1	0.2189	0.7811

4.12	0.018627	0	0.018627	0.7811	0	1	0.2189	0.7811
4.12	0.01869	0	0.01869	0.779	0	1	0.221	0.779
4.15	0.01869	0	0.01869	0.779	0	1	0.221	0.779
4.15	0.01869	0	0.01869	0.779	0	1	0.221	0.779
4.18	0.01869	0	0.01869	0.779	0	1	0.221	0.779
4.18	0.018753	0	0.018753	0.777	0	1	0.223	0.777
4.27	0.018753	0	0.018753	0.777	0	1	0.223	0.777
4.27	0.018815	0	0.018815	0.7749	0	1	0.2251	0.7749
4.31	0.018815	0	0.018815	0.7749	0	1	0.2251	0.7749
4.31	0.018877	0	0.018877	0.7729	0	1	0.2271	0.7729
4.34	0.018877	0	0.018877	0.7729	0	1	0.2271	0.7729
4.34	0.018937	0	0.018937	0.7708	0	1	0.2292	0.7708
4.42	0.018937	0	0.018937	0.7708	0	1	0.2292	0.7708
4.42	0.018937	0	0.018937	0.7708	0	1	0.2292	0.7708
4.46	0.018937	0	0.018937	0.7708	0	1	0.2292	0.7708
4.46	0.018998	0	0.018998	0.7688	0	1	0.2312	0.7688
4.53	0.018998	0	0.018998	0.7688	0	1	0.2312	0.7688
4.53	0.019118	0	0.019118	0.7647	0	1	0.2353	0.7647
4.67	0.019118	0	0.019118	0.7647	0	1	0.2353	0.7647
4.67	0.019177	0	0.019177	0.7626	0	1	0.2374	0.7626
4.84	0.019177	0	0.019177	0.7626	0	1	0.2374	0.7626
4.84	0.019235	0	0.019235	0.7606	0	1	0.2394	0.7606
4.85	0.019235	0	0.019235	0.7606	0	1	0.2394	0.7606
4.85	0.019292	0	0.019292	0.7585	0	1	0.2415	0.7585
4.88	0.019292	0	0.019292	0.7585	0	1	0.2415	0.7585
4.88	0.019349	0	0.019349	0.7565	0	1	0.2435	0.7565
4.96	0.019349	0	0.019349	0.7565	0	1	0.2435	0.7565
4.96	0.019461	0	0.019461	0.7523	0	1	0.2477	0.7523
4.98	0.019461	0	0.019461	0.7523	0	1	0.2477	0.7523
4.98	0.019516	0.002053	0.019461	0.7503	0.0021	0.9979	0.2477	0.7523
5.04	0.019516	0.002053	0.019461	0.7503	0.0021	0.9979	0.2477	0.7523
5.04	0.019571	0.002053	0.019516	0.7482	0.0021	0.9979	0.2497	0.7503
5.17	0.019571	0.002053	0.019516	0.7482	0.0021	0.9979	0.2497	0.7503
5.17	0.019678	0.002053	0.019625	0.7441	0.0021	0.9979	0.2538	0.7462
5.24	0.019678	0.002053	0.019625	0.7441	0.0021	0.9979	0.2538	0.7462
5.24	0.019731	0.002053	0.019678	0.7421	0.0021	0.9979	0.2559	0.7441
5.26	0.019731	0.002053	0.019678	0.7421	0.0021	0.9979	0.2559	0.7441
5.26	0.019783	0.002053	0.019731	0.74	0.0021	0.9979	0.2579	0.7421
5.28	0.019783	0.002053	0.019731	0.74	0.0021	0.9979	0.2579	0.7421
5.28	0.019834	0.002053	0.019783	0.738	0.0021	0.9979	0.26	0.74
5.3	0.019834	0.002053	0.019783	0.738	0.0021	0.9979	0.26	0.74
5.3	0.019834	0.002053	0.019783	0.738	0.0021	0.9979	0.26	0.74
5.51	0.019834	0.002053	0.019783	0.738	0.0021	0.9979	0.26	0.74
5.51	0.019886	0.002905	0.019783	0.7359	0.0041	0.9959	0.26	0.74
5.56	0.019886	0.002905	0.019783	0.7359	0.0041	0.9959	0.26	0.74
5.56	0.019937	0.002905	0.019835	0.7338	0.0041	0.9959	0.2621	0.7379
5.62	0.019937	0.002905	0.019835	0.7338	0.0041	0.9959	0.2621	0.7379
5.62	0.019988	0.002905	0.019887	0.7318	0.0041	0.9959	0.2641	0.7359
5.68	0.019988	0.002905	0.019887	0.7318	0.0041	0.9959	0.2641	0.7359
5.68	0.020038	0.002905	0.019938	0.7297	0.0041	0.9959	0.2662	0.7338
5.71	0.020038	0.002905	0.019938	0.7297	0.0041	0.9959	0.2662	0.7338
5.71	0.020087	0.003559	0.019938	0.7276	0.0062	0.9938	0.2662	0.7338

5.76	0.020087	0.003559	0.019938	0.7276	0.0062	0.9938	0.2662	0.7338
5.76	0.020136	0.003559	0.019989	0.7256	0.0062	0.9938	0.2683	0.7317
5.77	0.020136	0.003559	0.019989	0.7256	0.0062	0.9938	0.2683	0.7317
5.77	0.020136	0.003559	0.019989	0.7256	0.0062	0.9938	0.2683	0.7317
5.8	0.020136	0.003559	0.019989	0.7256	0.0062	0.9938	0.2683	0.7317
5.8	0.020185	0.003559	0.02004	0.7235	0.0062	0.9938	0.2703	0.7297
5.82	0.020185	0.003559	0.02004	0.7235	0.0062	0.9938	0.2703	0.7297
5.82	0.020234	0.003559	0.02009	0.7214	0.0062	0.9938	0.2724	0.7276
5.84	0.020234	0.003559	0.02009	0.7214	0.0062	0.9938	0.2724	0.7276
5.84	0.020281	0.003559	0.020139	0.7193	0.0062	0.9938	0.2745	0.7255
5.85	0.020281	0.003559	0.020139	0.7193	0.0062	0.9938	0.2745	0.7255
5.85	0.020329	0.004111	0.020139	0.7173	0.0083	0.9917	0.2745	0.7255
5.86	0.020329	0.004111	0.020139	0.7173	0.0083	0.9917	0.2745	0.7255
5.86	0.020375	0.004596	0.020139	0.7152	0.0103	0.9897	0.2745	0.7255
5.88	0.020375	0.004596	0.020139	0.7152	0.0103	0.9897	0.2745	0.7255
5.88	0.020421	0.004596	0.020188	0.7131	0.0103	0.9897	0.2765	0.7235
5.95	0.020421	0.004596	0.020188	0.7131	0.0103	0.9897	0.2765	0.7235
5.95	0.020467	0.004596	0.020236	0.711	0.0103	0.9897	0.2786	0.7214
6	0.020467	0.004596	0.020236	0.711	0.0103	0.9897	0.2786	0.7214
6	0.020512	0.004596	0.020284	0.709	0.0103	0.9897	0.2807	0.7193
6.04	0.020512	0.004596	0.020284	0.709	0.0103	0.9897	0.2807	0.7193
6.04	0.020512	0.004596	0.020284	0.709	0.0103	0.9897	0.2807	0.7193
6.11	0.020512	0.004596	0.020284	0.709	0.0103	0.9897	0.2807	0.7193
6.11	0.020557	0.004596	0.020332	0.7069	0.0103	0.9897	0.2828	0.7172
6.12	0.020557	0.004596	0.020332	0.7069	0.0103	0.9897	0.2828	0.7172
6.12	0.020689	0.004596	0.020471	0.7007	0.0103	0.9897	0.289	0.711
6.18	0.020689	0.004596	0.020471	0.7007	0.0103	0.9897	0.289	0.711
6.18	0.020732	0.004596	0.020517	0.6986	0.0103	0.9897	0.2911	0.7089
6.25	0.020732	0.004596	0.020517	0.6986	0.0103	0.9897	0.2911	0.7089
6.25	0.020774	0.004596	0.020562	0.6965	0.0103	0.9897	0.2932	0.7068
6.27	0.020774	0.004596	0.020562	0.6965	0.0103	0.9897	0.2932	0.7068
6.27	0.020816	0.004596	0.020606	0.6944	0.0103	0.9897	0.2952	0.7048
6.29	0.020816	0.004596	0.020606	0.6944	0.0103	0.9897	0.2952	0.7048
6.29	0.020857	0.004596	0.02065	0.6923	0.0103	0.9897	0.2973	0.7027
6.32	0.020857	0.004596	0.02065	0.6923	0.0103	0.9897	0.2973	0.7027
6.32	0.020898	0.004596	0.020693	0.6903	0.0103	0.9897	0.2994	0.7006
6.38	0.020898	0.004596	0.020693	0.6903	0.0103	0.9897	0.2994	0.7006
6.38	0.020978	0.004596	0.020778	0.6861	0.0103	0.9897	0.3036	0.6964
6.4	0.020978	0.004596	0.020778	0.6861	0.0103	0.9897	0.3036	0.6964
6.4	0.021017	0.004596	0.02082	0.684	0.0103	0.9897	0.3056	0.6944
6.41	0.021017	0.004596	0.02082	0.684	0.0103	0.9897	0.3056	0.6944
6.41	0.021055	0.004596	0.020861	0.6819	0.0103	0.9897	0.3077	0.6923
6.47	0.021055	0.004596	0.020861	0.6819	0.0103	0.9897	0.3077	0.6923
6.47	0.021094	0.004596	0.020902	0.6799	0.0103	0.9897	0.3098	0.6902
6.49	0.021094	0.004596	0.020902	0.6799	0.0103	0.9897	0.3098	0.6902
6.49	0.021169	0.004596	0.020982	0.6757	0.0103	0.9897	0.314	0.686
6.5	0.021169	0.004596	0.020982	0.6757	0.0103	0.9897	0.314	0.686
6.5	0.021205	0.004596	0.021021	0.6736	0.0103	0.9897	0.316	0.684
6.64	0.021205	0.004596	0.021021	0.6736	0.0103	0.9897	0.316	0.684
6.64	0.021205	0.004596	0.021021	0.6736	0.0103	0.9897	0.316	0.684
6.67	0.021205	0.004596	0.021021	0.6736	0.0103	0.9897	0.316	0.684
6.67	0.021242	0.004596	0.02106	0.6715	0.0103	0.9897	0.3181	0.6819

6.69	0.021242	0.004596	0.02106	0.6715	0.0103	0.9897	0.3181	0.6819
6.69	0.021278	0.004596	0.021099	0.6695	0.0103	0.9897	0.3202	0.6798
6.73	0.021278	0.004596	0.021099	0.6695	0.0103	0.9897	0.3202	0.6798
6.73	0.021314	0.004596	0.021137	0.6674	0.0103	0.9897	0.3223	0.6777
6.79	0.021314	0.004596	0.021137	0.6674	0.0103	0.9897	0.3223	0.6777
6.79	0.021349	0.005037	0.021137	0.6653	0.0124	0.9876	0.3223	0.6777
6.87	0.021349	0.005037	0.021137	0.6653	0.0124	0.9876	0.3223	0.6777
6.87	0.021384	0.005037	0.021174	0.6632	0.0124	0.9876	0.3244	0.6756
6.88	0.021384	0.005037	0.021174	0.6632	0.0124	0.9876	0.3244	0.6756
6.88	0.021418	0.005037	0.021211	0.6611	0.0124	0.9876	0.3265	0.6735
6.91	0.021418	0.005037	0.021211	0.6611	0.0124	0.9876	0.3265	0.6735
6.91	0.021452	0.005037	0.021248	0.659	0.0124	0.9876	0.3286	0.6714
6.94	0.021452	0.005037	0.021248	0.659	0.0124	0.9876	0.3286	0.6714
6.94	0.021485	0.005037	0.021284	0.6569	0.0124	0.9876	0.3306	0.6694
6.95	0.021485	0.005037	0.021284	0.6569	0.0124	0.9876	0.3306	0.6694
6.95	0.02155	0.005441	0.02132	0.6528	0.0145	0.9855	0.3327	0.6673
6.96	0.02155	0.005441	0.02132	0.6528	0.0145	0.9855	0.3327	0.6673
6.96	0.021582	0.005441	0.021355	0.6507	0.0145	0.9855	0.3348	0.6652
6.97	0.021582	0.005441	0.021355	0.6507	0.0145	0.9855	0.3348	0.6652
6.97	0.021613	0.005815	0.021355	0.6486	0.0166	0.9834	0.3348	0.6652
7.03	0.021613	0.005815	0.021355	0.6486	0.0166	0.9834	0.3348	0.6652
7.03	0.021644	0.005815	0.021389	0.6465	0.0166	0.9834	0.3369	0.6631
7.06	0.021644	0.005815	0.021389	0.6465	0.0166	0.9834	0.3369	0.6631
7.06	0.021674	0.005815	0.021424	0.6444	0.0166	0.9834	0.339	0.661
7.14	0.021674	0.005815	0.021424	0.6444	0.0166	0.9834	0.339	0.661
7.14	0.021704	0.005815	0.021457	0.6423	0.0166	0.9834	0.3411	0.6589
7.15	0.021704	0.005815	0.021457	0.6423	0.0166	0.9834	0.3411	0.6589
7.15	0.021734	0.005815	0.02149	0.6403	0.0166	0.9834	0.3432	0.6568
7.29	0.021734	0.005815	0.02149	0.6403	0.0166	0.9834	0.3432	0.6568
7.29	0.021763	0.005815	0.021523	0.6382	0.0166	0.9834	0.3452	0.6548
7.38	0.021763	0.005815	0.021523	0.6382	0.0166	0.9834	0.3452	0.6548
7.38	0.021792	0.005815	0.021555	0.6361	0.0166	0.9834	0.3473	0.6527
7.44	0.021792	0.005815	0.021555	0.6361	0.0166	0.9834	0.3473	0.6527
7.44	0.02182	0.005815	0.021587	0.634	0.0166	0.9834	0.3494	0.6506
7.51	0.02182	0.005815	0.021587	0.634	0.0166	0.9834	0.3494	0.6506
7.51	0.021847	0.006166	0.021587	0.6319	0.0187	0.9813	0.3494	0.6506
7.54	0.021847	0.006166	0.021587	0.6319	0.0187	0.9813	0.3494	0.6506
7.54	0.021901	0.006166	0.021649	0.6277	0.0187	0.9813	0.3536	0.6464
7.61	0.021901	0.006166	0.021649	0.6277	0.0187	0.9813	0.3536	0.6464
7.61	0.021928	0.006496	0.021649	0.6257	0.0208	0.9792	0.3536	0.6464
7.74	0.021928	0.006496	0.021649	0.6257	0.0208	0.9792	0.3536	0.6464
7.74	0.021953	0.006496	0.02168	0.6236	0.0208	0.9792	0.3557	0.6443
7.87	0.021953	0.006496	0.02168	0.6236	0.0208	0.9792	0.3557	0.6443
7.87	0.021979	0.006808	0.02168	0.6215	0.0228	0.9772	0.3557	0.6443
7.96	0.021979	0.006808	0.02168	0.6215	0.0228	0.9772	0.3557	0.6443
7.96	0.022004	0.006808	0.02171	0.6194	0.0228	0.9772	0.3577	0.6423
7.97	0.022004	0.006808	0.02171	0.6194	0.0228	0.9772	0.3577	0.6423
7.97	0.022004	0.006808	0.02171	0.6194	0.0228	0.9772	0.3577	0.6423
8.04	0.022004	0.006808	0.02171	0.6194	0.0228	0.9772	0.3577	0.6423
8.04	0.022053	0.006808	0.021769	0.6152	0.0228	0.9772	0.3619	0.6381
8.08	0.022053	0.006808	0.021769	0.6152	0.0228	0.9772	0.3619	0.6381
8.08	0.022101	0.007108	0.021798	0.611	0.0249	0.9751	0.364	0.636

8.1	0.022101	0.007108	0.021798	0.611	0.0249	0.9751	0.364	0.636
8.1	0.022124	0.007394	0.021798	0.6089	0.027	0.973	0.364	0.636
8.15	0.022124	0.007394	0.021798	0.6089	0.027	0.973	0.364	0.636
8.15	0.022147	0.007394	0.021826	0.6069	0.027	0.973	0.3661	0.6339
8.26	0.022147	0.007394	0.021826	0.6069	0.027	0.973	0.3661	0.6339
8.26	0.022169	0.007394	0.021854	0.6048	0.027	0.973	0.3682	0.6318
8.32	0.022169	0.007394	0.021854	0.6048	0.027	0.973	0.3682	0.6318
8.32	0.022191	0.007394	0.021882	0.6027	0.027	0.973	0.3703	0.6297
8.36	0.022191	0.007394	0.021882	0.6027	0.027	0.973	0.3703	0.6297
8.36	0.022233	0.007668	0.021909	0.5985	0.0291	0.9709	0.3724	0.6276
8.38	0.022233	0.007668	0.021909	0.5985	0.0291	0.9709	0.3724	0.6276
8.38	0.022233	0.007668	0.021909	0.5985	0.0291	0.9709	0.3724	0.6276
8.39	0.022233	0.007668	0.021909	0.5985	0.0291	0.9709	0.3724	0.6276
8.39	0.022233	0.007668	0.021909	0.5985	0.0291	0.9709	0.3724	0.6276
8.4	0.022233	0.007668	0.021909	0.5985	0.0291	0.9709	0.3724	0.6276
8.4	0.022255	0.007936	0.021909	0.5964	0.0312	0.9688	0.3724	0.6276
8.42	0.022255	0.007936	0.021909	0.5964	0.0312	0.9688	0.3724	0.6276
8.42	0.022276	0.007936	0.021937	0.5943	0.0312	0.9688	0.3745	0.6255
8.49	0.022276	0.007936	0.021937	0.5943	0.0312	0.9688	0.3745	0.6255
8.49	0.022296	0.007936	0.021964	0.5922	0.0312	0.9688	0.3766	0.6234
8.5	0.022296	0.007936	0.021964	0.5922	0.0312	0.9688	0.3766	0.6234
8.5	0.022296	0.007936	0.021964	0.5922	0.0312	0.9688	0.3766	0.6234
8.57	0.022296	0.007936	0.021964	0.5922	0.0312	0.9688	0.3766	0.6234
8.57	0.022316	0.008195	0.021964	0.59	0.0333	0.9667	0.3766	0.6234
8.62	0.022316	0.008195	0.021964	0.59	0.0333	0.9667	0.3766	0.6234
8.62	0.022336	0.008195	0.021991	0.5879	0.0333	0.9667	0.3787	0.6213
8.65	0.022336	0.008195	0.021991	0.5879	0.0333	0.9667	0.3787	0.6213
8.65	0.022356	0.008195	0.022017	0.5858	0.0333	0.9667	0.3808	0.6192
8.7	0.022356	0.008195	0.022017	0.5858	0.0333	0.9667	0.3808	0.6192
8.7	0.022394	0.008446	0.022043	0.5816	0.0355	0.9645	0.383	0.617
8.73	0.022394	0.008446	0.022043	0.5816	0.0355	0.9645	0.383	0.617
8.73	0.022412	0.008446	0.022069	0.5795	0.0355	0.9645	0.3851	0.6149
8.74	0.022412	0.008446	0.022069	0.5795	0.0355	0.9645	0.3851	0.6149
8.74	0.022447	0.008688	0.022094	0.5752	0.0376	0.9624	0.3872	0.6128
8.76	0.022447	0.008688	0.022094	0.5752	0.0376	0.9624	0.3872	0.6128
8.76	0.022464	0.008922	0.022094	0.5731	0.0397	0.9603	0.3872	0.6128
8.77	0.022464	0.008922	0.022094	0.5731	0.0397	0.9603	0.3872	0.6128
8.77	0.02248	0.008922	0.022119	0.571	0.0397	0.9603	0.3893	0.6107
8.8	0.02248	0.008922	0.022119	0.571	0.0397	0.9603	0.3893	0.6107
8.8	0.022496	0.008922	0.022143	0.5689	0.0397	0.9603	0.3914	0.6086
8.81	0.022496	0.008922	0.022143	0.5689	0.0397	0.9603	0.3914	0.6086
8.81	0.022512	0.008922	0.022167	0.5668	0.0397	0.9603	0.3935	0.6065
8.85	0.022512	0.008922	0.022167	0.5668	0.0397	0.9603	0.3935	0.6065
8.85	0.022527	0.008922	0.02219	0.5647	0.0397	0.9603	0.3956	0.6044
8.86	0.022527	0.008922	0.02219	0.5647	0.0397	0.9603	0.3956	0.6044
8.86	0.022542	0.00915	0.02219	0.5626	0.0418	0.9582	0.3956	0.6044
8.97	0.022542	0.00915	0.02219	0.5626	0.0418	0.9582	0.3956	0.6044
8.97	0.022556	0.00937	0.02219	0.5604	0.0439	0.9561	0.3956	0.6044
8.98	0.022556	0.00937	0.02219	0.5604	0.0439	0.9561	0.3956	0.6044
8.98	0.02257	0.00937	0.022213	0.5583	0.0439	0.9561	0.3978	0.6022
9	0.02257	0.00937	0.022213	0.5583	0.0439	0.9561	0.3978	0.6022
9	0.022583	0.009585	0.022213	0.5562	0.046	0.954	0.3978	0.6022

9.01	0.022583	0.009585	0.022213	0.5562	0.046	0.954	0.3978	0.6022
9.01	0.022596	0.009585	0.022236	0.5541	0.046	0.954	0.3999	0.6001
9.02	0.022596	0.009585	0.022236	0.5541	0.046	0.954	0.3999	0.6001
9.02	0.022609	0.009794	0.022236	0.552	0.0481	0.9519	0.3999	0.6001
9.03	0.022609	0.009794	0.022236	0.552	0.0481	0.9519	0.3999	0.6001
9.03	0.022621	0.009998	0.022236	0.5499	0.0503	0.9497	0.3999	0.6001
9.05	0.022621	0.009998	0.022236	0.5499	0.0503	0.9497	0.3999	0.6001
9.05	0.022632	0.009998	0.022258	0.5477	0.0503	0.9497	0.402	0.598
9.08	0.022632	0.009998	0.022258	0.5477	0.0503	0.9497	0.402	0.598
9.08	0.022644	0.009998	0.022279	0.5456	0.0503	0.9497	0.4041	0.5959
9.09	0.022644	0.009998	0.022279	0.5456	0.0503	0.9497	0.4041	0.5959
9.09	0.022654	0.009998	0.0223	0.5435	0.0503	0.9497	0.4062	0.5938
9.14	0.022654	0.009998	0.0223	0.5435	0.0503	0.9497	0.4062	0.5938
9.14	0.022654	0.009998	0.0223	0.5435	0.0503	0.9497	0.4062	0.5938
9.19	0.022654	0.009998	0.0223	0.5435	0.0503	0.9497	0.4062	0.5938
9.19	0.022665	0.009998	0.022321	0.5414	0.0503	0.9497	0.4083	0.5917
9.21	0.022665	0.009998	0.022321	0.5414	0.0503	0.9497	0.4083	0.5917
9.21	0.022675	0.009998	0.022342	0.5393	0.0503	0.9497	0.4105	0.5895
9.22	0.022675	0.009998	0.022342	0.5393	0.0503	0.9497	0.4105	0.5895
9.22	0.022685	0.009998	0.022362	0.5371	0.0503	0.9497	0.4126	0.5874
9.3	0.022685	0.009998	0.022362	0.5371	0.0503	0.9497	0.4126	0.5874
9.3	0.022695	0.009998	0.022382	0.535	0.0503	0.9497	0.4147	0.5853
9.31	0.022695	0.009998	0.022382	0.535	0.0503	0.9497	0.4147	0.5853
9.31	0.022712	0.010198	0.022401	0.5308	0.0524	0.9476	0.4168	0.5832
9.33	0.022712	0.010198	0.022401	0.5308	0.0524	0.9476	0.4168	0.5832
9.33	0.022721	0.010198	0.02242	0.5287	0.0524	0.9476	0.419	0.581
9.34	0.022721	0.010198	0.02242	0.5287	0.0524	0.9476	0.419	0.581
9.34	0.022736	0.010198	0.022456	0.5244	0.0524	0.9476	0.4232	0.5768
9.38	0.022736	0.010198	0.022456	0.5244	0.0524	0.9476	0.4232	0.5768
9.38	0.022743	0.010198	0.022474	0.5223	0.0524	0.9476	0.4253	0.5747
9.43	0.022743	0.010198	0.022474	0.5223	0.0524	0.9476	0.4253	0.5747
9.43	0.022749	0.010198	0.022491	0.5202	0.0524	0.9476	0.4275	0.5725
9.46	0.022749	0.010198	0.022491	0.5202	0.0524	0.9476	0.4275	0.5725
9.46	0.022755	0.010198	0.022507	0.518	0.0524	0.9476	0.4296	0.5704
9.48	0.022755	0.010198	0.022507	0.518	0.0524	0.9476	0.4296	0.5704
9.48	0.022767	0.010198	0.02254	0.5138	0.0524	0.9476	0.4338	0.5662
9.55	0.022767	0.010198	0.02254	0.5138	0.0524	0.9476	0.4338	0.5662
9.55	0.022772	0.010395	0.02254	0.5116	0.0545	0.9455	0.4338	0.5662
9.57	0.022772	0.010395	0.02254	0.5116	0.0545	0.9455	0.4338	0.5662
9.57	0.022776	0.010395	0.022556	0.5095	0.0545	0.9455	0.436	0.564
9.59	0.022776	0.010395	0.022556	0.5095	0.0545	0.9455	0.436	0.564
9.59	0.022784	0.010776	0.022556	0.5052	0.0588	0.9412	0.436	0.564
9.62	0.022784	0.010776	0.022556	0.5052	0.0588	0.9412	0.436	0.564
9.62	0.022788	0.01096	0.022556	0.5031	0.0609	0.9391	0.436	0.564
9.65	0.022788	0.01096	0.022556	0.5031	0.0609	0.9391	0.436	0.564
9.65	0.022788	0.01096	0.022556	0.5031	0.0609	0.9391	0.436	0.564
9.69	0.022788	0.01096	0.022556	0.5031	0.0609	0.9391	0.436	0.564
9.69	0.022788	0.01096	0.022556	0.5031	0.0609	0.9391	0.436	0.564
9.73	0.022788	0.01096	0.022556	0.5031	0.0609	0.9391	0.436	0.564
9.73	0.022792	0.01096	0.022572	0.501	0.0609	0.9391	0.4381	0.5619
9.76	0.022792	0.01096	0.022572	0.501	0.0609	0.9391	0.4381	0.5619
9.76	0.022795	0.01096	0.022588	0.4988	0.0609	0.9391	0.4403	0.5597

9.78	0.022795	0.01096	0.022588	0.4988	0.0609	0.9391	0.4403	0.5597
9.78	0.022798	0.01096	0.022603	0.4967	0.0609	0.9391	0.4424	0.5576
9.79	0.022798	0.01096	0.022603	0.4967	0.0609	0.9391	0.4424	0.5576
9.79	0.0228	0.011144	0.022603	0.4945	0.0631	0.9369	0.4424	0.5576
9.8	0.0228	0.011144	0.022603	0.4945	0.0631	0.9369	0.4424	0.5576
9.8	0.0228	0.011144	0.022603	0.4945	0.0631	0.9369	0.4424	0.5576
9.83	0.0228	0.011144	0.022603	0.4945	0.0631	0.9369	0.4424	0.5576
9.83	0.022803	0.011144	0.022618	0.4924	0.0631	0.9369	0.4446	0.5554
9.9	0.022803	0.011144	0.022618	0.4924	0.0631	0.9369	0.4446	0.5554
9.9	0.022805	0.011144	0.022634	0.4902	0.0631	0.9369	0.4467	0.5533
9.91	0.022805	0.011144	0.022634	0.4902	0.0631	0.9369	0.4467	0.5533
9.91	0.022805	0.011144	0.022634	0.4902	0.0631	0.9369	0.4467	0.5533
9.94	0.022805	0.011144	0.022634	0.4902	0.0631	0.9369	0.4467	0.5533
9.94	0.022808	0.011144	0.022649	0.488	0.0631	0.9369	0.4489	0.5511
9.97	0.022808	0.011144	0.022649	0.488	0.0631	0.9369	0.4489	0.5511
9.97	0.02281	0.011144	0.022664	0.4858	0.0631	0.9369	0.4511	0.5489
9.99	0.02281	0.011144	0.022664	0.4858	0.0631	0.9369	0.4511	0.5489
9.99	0.02281	0.011144	0.022664	0.4858	0.0631	0.9369	0.4511	0.5489
10.02	0.02281	0.011144	0.022664	0.4858	0.0631	0.9369	0.4511	0.5489
10.02	0.022812	0.011144	0.022679	0.4836	0.0631	0.9369	0.4533	0.5467
10.1	0.022812	0.011144	0.022679	0.4836	0.0631	0.9369	0.4533	0.5467
10.1	0.022814	0.011144	0.022708	0.4793	0.0631	0.9369	0.4577	0.5423
10.11	0.022814	0.011144	0.022708	0.4793	0.0631	0.9369	0.4577	0.5423
10.11	0.022815	0.011144	0.022721	0.4771	0.0631	0.9369	0.4599	0.5401
10.12	0.022815	0.011144	0.022721	0.4771	0.0631	0.9369	0.4599	0.5401
10.12	0.022815	0.011144	0.022734	0.4749	0.0631	0.9369	0.462	0.538
10.13	0.022815	0.011144	0.022734	0.4749	0.0631	0.9369	0.462	0.538
10.13	0.022814	0.011144	0.022747	0.4727	0.0631	0.9369	0.4642	0.5358
10.14	0.022814	0.011144	0.022747	0.4727	0.0631	0.9369	0.4642	0.5358
10.14	0.022812	0.011144	0.02277	0.4683	0.0631	0.9369	0.4686	0.5314
10.17	0.022812	0.011144	0.02277	0.4683	0.0631	0.9369	0.4686	0.5314
10.17	0.02281	0.01133	0.02277	0.4661	0.0653	0.9347	0.4686	0.5314
10.18	0.02281	0.01133	0.02277	0.4661	0.0653	0.9347	0.4686	0.5314
10.18	0.022808	0.011512	0.02277	0.4639	0.0674	0.9326	0.4686	0.5314
10.2	0.022808	0.011512	0.02277	0.4639	0.0674	0.9326	0.4686	0.5314
10.2	0.022805	0.011691	0.02277	0.4618	0.0696	0.9304	0.4686	0.5314
10.22	0.022805	0.011691	0.02277	0.4618	0.0696	0.9304	0.4686	0.5314
10.22	0.022802	0.011691	0.022781	0.4596	0.0696	0.9304	0.4708	0.5292
10.24	0.022802	0.011691	0.022781	0.4596	0.0696	0.9304	0.4708	0.5292
10.24	0.022798	0.011691	0.022793	0.4574	0.0696	0.9304	0.473	0.527
10.27	0.022798	0.011691	0.022793	0.4574	0.0696	0.9304	0.473	0.527
10.27	0.022795	0.011691	0.022803	0.4552	0.0696	0.9304	0.4752	0.5248
10.3	0.022795	0.011691	0.022803	0.4552	0.0696	0.9304	0.4752	0.5248
10.3	0.022791	0.01187	0.022803	0.453	0.0718	0.9282	0.4752	0.5248
10.34	0.022791	0.01187	0.022803	0.453	0.0718	0.9282	0.4752	0.5248
10.34	0.022787	0.01187	0.022814	0.4508	0.0718	0.9282	0.4774	0.5226
10.38	0.022787	0.01187	0.022814	0.4508	0.0718	0.9282	0.4774	0.5226
10.38	0.022782	0.01187	0.022825	0.4485	0.0718	0.9282	0.4796	0.5204
10.39	0.022782	0.01187	0.022825	0.4485	0.0718	0.9282	0.4796	0.5204
10.39	0.022777	0.01187	0.022835	0.4463	0.0718	0.9282	0.4818	0.5182
10.42	0.022777	0.01187	0.022835	0.4463	0.0718	0.9282	0.4818	0.5182
10.42	0.022772	0.01187	0.022845	0.4441	0.0718	0.9282	0.4841	0.5159

10.44	0.022772	0.01187	0.022845	0.4441	0.0718	0.9282	0.4841	0.5159
10.44	0.022766	0.01187	0.022854	0.4419	0.0718	0.9282	0.4863	0.5137
10.47	0.022766	0.01187	0.022854	0.4419	0.0718	0.9282	0.4863	0.5137
10.47	0.02276	0.01187	0.022862	0.4397	0.0718	0.9282	0.4885	0.5115
10.48	0.02276	0.01187	0.022862	0.4397	0.0718	0.9282	0.4885	0.5115
10.48	0.022753	0.01187	0.022871	0.4374	0.0718	0.9282	0.4907	0.5093
10.5	0.022753	0.01187	0.022871	0.4374	0.0718	0.9282	0.4907	0.5093
10.5	0.022746	0.01187	0.022879	0.4352	0.0718	0.9282	0.493	0.507
10.57	0.022746	0.01187	0.022879	0.4352	0.0718	0.9282	0.493	0.507
10.57	0.022739	0.012048	0.022879	0.433	0.0741	0.9259	0.493	0.507
10.65	0.022739	0.012048	0.022879	0.433	0.0741	0.9259	0.493	0.507
10.65	0.022731	0.012048	0.022887	0.4307	0.0741	0.9259	0.4952	0.5048
10.68	0.022731	0.012048	0.022887	0.4307	0.0741	0.9259	0.4952	0.5048
10.68	0.022724	0.012048	0.022896	0.4285	0.0741	0.9259	0.4975	0.5025
10.69	0.022724	0.012048	0.022896	0.4285	0.0741	0.9259	0.4975	0.5025
10.69	0.022716	0.012228	0.022896	0.4262	0.0763	0.9237	0.4975	0.5025
10.72	0.022716	0.012228	0.022896	0.4262	0.0763	0.9237	0.4975	0.5025
10.72	0.022708	0.012405	0.022896	0.4239	0.0786	0.9214	0.4975	0.5025
10.77	0.022708	0.012405	0.022896	0.4239	0.0786	0.9214	0.4975	0.5025
10.77	0.022699	0.012405	0.022904	0.4217	0.0786	0.9214	0.4997	0.5003
10.84	0.022699	0.012405	0.022904	0.4217	0.0786	0.9214	0.4997	0.5003
10.84	0.022699	0.012405	0.022904	0.4217	0.0786	0.9214	0.4997	0.5003
10.86	0.022699	0.012405	0.022904	0.4217	0.0786	0.9214	0.4997	0.5003
10.86	0.022691	0.012581	0.022904	0.4194	0.0809	0.9191	0.4997	0.5003
10.88	0.022691	0.012581	0.022904	0.4194	0.0809	0.9191	0.4997	0.5003
10.88	0.022682	0.012581	0.022913	0.4171	0.0809	0.9191	0.502	0.498
10.9	0.022682	0.012581	0.022913	0.4171	0.0809	0.9191	0.502	0.498
10.9	0.022672	0.012754	0.022913	0.4148	0.0832	0.9168	0.502	0.498
10.92	0.022672	0.012754	0.022913	0.4148	0.0832	0.9168	0.502	0.498
10.92	0.022672	0.012754	0.022913	0.4148	0.0832	0.9168	0.502	0.498
10.97	0.022672	0.012754	0.022913	0.4148	0.0832	0.9168	0.502	0.498
10.97	0.022662	0.012754	0.022921	0.4125	0.0832	0.9168	0.5043	0.4957
10.98	0.022662	0.012754	0.022921	0.4125	0.0832	0.9168	0.5043	0.4957
10.98	0.022662	0.012754	0.022921	0.4125	0.0832	0.9168	0.5043	0.4957
11	0.022662	0.012754	0.022921	0.4125	0.0832	0.9168	0.5043	0.4957
11	0.022642	0.013098	0.022921	0.4079	0.0878	0.9122	0.5043	0.4957
11.05	0.022642	0.013098	0.022921	0.4079	0.0878	0.9122	0.5043	0.4957
11.05	0.022632	0.013098	0.022931	0.4056	0.0878	0.9122	0.5066	0.4934
11.07	0.022632	0.013098	0.022931	0.4056	0.0878	0.9122	0.5066	0.4934
11.07	0.022621	0.013098	0.02294	0.4033	0.0878	0.9122	0.5089	0.4911
11.11	0.022621	0.013098	0.02294	0.4033	0.0878	0.9122	0.5089	0.4911
11.11	0.022609	0.013098	0.022948	0.401	0.0878	0.9122	0.5113	0.4887
11.12	0.022609	0.013098	0.022948	0.401	0.0878	0.9122	0.5113	0.4887
11.12	0.022597	0.013267	0.022948	0.3987	0.0901	0.9099	0.5113	0.4887
11.13	0.022597	0.013267	0.022948	0.3987	0.0901	0.9099	0.5113	0.4887
11.13	0.022597	0.013267	0.022948	0.3987	0.0901	0.9099	0.5113	0.4887
11.2	0.022597	0.013267	0.022948	0.3987	0.0901	0.9099	0.5113	0.4887
11.2	0.022573	0.013267	0.022966	0.394	0.0901	0.9099	0.5159	0.4841
11.21	0.022573	0.013267	0.022966	0.394	0.0901	0.9099	0.5159	0.4841
11.21	0.02256	0.013437	0.022966	0.3916	0.0924	0.9076	0.5159	0.4841
11.29	0.02256	0.013437	0.022966	0.3916	0.0924	0.9076	0.5159	0.4841
11.29	0.022547	0.013604	0.022966	0.3893	0.0948	0.9052	0.5159	0.4841

11.31	0.022547	0.013604	0.022966	0.3893	0.0948	0.9052	0.5159	0.4841
11.31	0.022533	0.013768	0.022966	0.3869	0.0971	0.9029	0.5159	0.4841
11.32	0.022533	0.013768	0.022966	0.3869	0.0971	0.9029	0.5159	0.4841
11.32	0.022518	0.013768	0.022974	0.3846	0.0971	0.9029	0.5183	0.4817
11.33	0.022518	0.013768	0.022974	0.3846	0.0971	0.9029	0.5183	0.4817
11.33	0.022503	0.013931	0.022974	0.3822	0.0995	0.9005	0.5183	0.4817
11.34	0.022503	0.013931	0.022974	0.3822	0.0995	0.9005	0.5183	0.4817
11.34	0.022503	0.013931	0.022974	0.3822	0.0995	0.9005	0.5183	0.4817
11.36	0.022503	0.013931	0.022974	0.3822	0.0995	0.9005	0.5183	0.4817
11.36	0.022489	0.014095	0.022974	0.3798	0.1019	0.8981	0.5183	0.4817
11.42	0.022489	0.014095	0.022974	0.3798	0.1019	0.8981	0.5183	0.4817
11.42	0.022475	0.014095	0.022984	0.3774	0.1019	0.8981	0.5207	0.4793
11.44	0.022475	0.014095	0.022984	0.3774	0.1019	0.8981	0.5207	0.4793
11.44	0.02246	0.014259	0.022984	0.375	0.1043	0.8957	0.5207	0.4793
11.45	0.02246	0.014259	0.022984	0.375	0.1043	0.8957	0.5207	0.4793
11.45	0.022444	0.01442	0.022984	0.3726	0.1067	0.8933	0.5207	0.4793
11.46	0.022444	0.01442	0.022984	0.3726	0.1067	0.8933	0.5207	0.4793
11.46	0.022444	0.01442	0.022984	0.3726	0.1067	0.8933	0.5207	0.4793
11.49	0.022444	0.01442	0.022984	0.3726	0.1067	0.8933	0.5207	0.4793
11.49	0.022428	0.01442	0.022995	0.3702	0.1067	0.8933	0.5231	0.4769
11.54	0.022428	0.01442	0.022995	0.3702	0.1067	0.8933	0.5231	0.4769
11.54	0.022428	0.01442	0.022995	0.3702	0.1067	0.8933	0.5231	0.4769
11.55	0.022428	0.01442	0.022995	0.3702	0.1067	0.8933	0.5231	0.4769
11.55	0.022413	0.01442	0.023006	0.3678	0.1067	0.8933	0.5256	0.4744
11.58	0.022413	0.01442	0.023006	0.3678	0.1067	0.8933	0.5256	0.4744
11.58	0.022399	0.01459	0.023006	0.3653	0.1092	0.8908	0.5256	0.4744
11.61	0.022399	0.01459	0.023006	0.3653	0.1092	0.8908	0.5256	0.4744
11.61	0.022399	0.01459	0.023006	0.3653	0.1092	0.8908	0.5256	0.4744
11.64	0.022399	0.01459	0.023006	0.3653	0.1092	0.8908	0.5256	0.4744
11.64	0.022385	0.01459	0.02302	0.3628	0.1092	0.8908	0.5281	0.4719
11.68	0.022385	0.01459	0.02302	0.3628	0.1092	0.8908	0.5281	0.4719
11.68	0.02237	0.01459	0.023033	0.3603	0.1092	0.8908	0.5306	0.4694
11.69	0.02237	0.01459	0.023033	0.3603	0.1092	0.8908	0.5306	0.4694
11.69	0.02237	0.01459	0.023033	0.3603	0.1092	0.8908	0.5306	0.4694
11.71	0.02237	0.01459	0.023033	0.3603	0.1092	0.8908	0.5306	0.4694
11.71	0.022356	0.01459	0.023047	0.3577	0.1092	0.8908	0.5331	0.4669
11.75	0.022356	0.01459	0.023047	0.3577	0.1092	0.8908	0.5331	0.4669
11.75	0.022356	0.01459	0.023047	0.3577	0.1092	0.8908	0.5331	0.4669
11.76	0.022356	0.01459	0.023047	0.3577	0.1092	0.8908	0.5331	0.4669
11.76	0.022342	0.01459	0.023062	0.3552	0.1092	0.8908	0.5357	0.4643
11.78	0.022342	0.01459	0.023062	0.3552	0.1092	0.8908	0.5357	0.4643
11.78	0.022342	0.01459	0.023062	0.3552	0.1092	0.8908	0.5357	0.4643
11.8	0.022342	0.01459	0.023062	0.3552	0.1092	0.8908	0.5357	0.4643
11.8	0.022328	0.01459	0.023076	0.3526	0.1092	0.8908	0.5382	0.4618
11.84	0.022328	0.01459	0.023076	0.3526	0.1092	0.8908	0.5382	0.4618
11.84	0.022328	0.01459	0.023076	0.3526	0.1092	0.8908	0.5382	0.4618
11.85	0.022328	0.01459	0.023076	0.3526	0.1092	0.8908	0.5382	0.4618
11.85	0.022314	0.01459	0.023091	0.35	0.1092	0.8908	0.5408	0.4592
11.86	0.022314	0.01459	0.023091	0.35	0.1092	0.8908	0.5408	0.4592
11.86	0.022298	0.01459	0.023105	0.3474	0.1092	0.8908	0.5434	0.4566
11.87	0.022298	0.01459	0.023105	0.3474	0.1092	0.8908	0.5434	0.4566
11.87	0.022282	0.014773	0.023105	0.3448	0.1117	0.8883	0.5434	0.4566

11.88	0.022282	0.014773	0.023105	0.3448	0.1117	0.8883	0.5434	0.4566
11.88	0.022282	0.014773	0.023105	0.3448	0.1117	0.8883	0.5434	0.4566
11.91	0.022282	0.014773	0.023105	0.3448	0.1117	0.8883	0.5434	0.4566
11.91	0.022267	0.014773	0.02312	0.3422	0.1117	0.8883	0.5461	0.4539
11.96	0.022267	0.014773	0.02312	0.3422	0.1117	0.8883	0.5461	0.4539
11.96	0.022267	0.014773	0.02312	0.3422	0.1117	0.8883	0.5461	0.4539
11.97	0.022267	0.014773	0.02312	0.3422	0.1117	0.8883	0.5461	0.4539
11.97	0.022252	0.014962	0.02312	0.3395	0.1144	0.8856	0.5461	0.4539
12.01	0.022252	0.014962	0.02312	0.3395	0.1144	0.8856	0.5461	0.4539
12.01	0.022236	0.014962	0.023136	0.3369	0.1144	0.8856	0.5487	0.4513
12.04	0.022236	0.014962	0.023136	0.3369	0.1144	0.8856	0.5487	0.4513
12.04	0.022219	0.014962	0.023151	0.3342	0.1144	0.8856	0.5514	0.4486
12.05	0.022219	0.014962	0.023151	0.3342	0.1144	0.8856	0.5514	0.4486
12.05	0.022202	0.015151	0.023151	0.3315	0.1171	0.8829	0.5514	0.4486
12.07	0.022202	0.015151	0.023151	0.3315	0.1171	0.8829	0.5514	0.4486
12.07	0.022163	0.015151	0.02318	0.3262	0.1171	0.8829	0.5567	0.4433
12.11	0.022163	0.015151	0.02318	0.3262	0.1171	0.8829	0.5567	0.4433
12.11	0.022142	0.015151	0.023192	0.3235	0.1171	0.8829	0.5594	0.4406
12.13	0.022142	0.015151	0.023192	0.3235	0.1171	0.8829	0.5594	0.4406
12.13	0.02212	0.015151	0.023203	0.3209	0.1171	0.8829	0.5621	0.4379
12.16	0.02212	0.015151	0.023203	0.3209	0.1171	0.8829	0.5621	0.4379
12.16	0.02212	0.015151	0.023203	0.3209	0.1171	0.8829	0.5621	0.4379
12.18	0.02212	0.015151	0.023203	0.3209	0.1171	0.8829	0.5621	0.4379
12.18	0.022098	0.015151	0.023215	0.3182	0.1171	0.8829	0.5648	0.4352
12.22	0.022098	0.015151	0.023215	0.3182	0.1171	0.8829	0.5648	0.4352
12.22	0.022052	0.015342	0.023227	0.3127	0.1198	0.8802	0.5675	0.4325
12.3	0.022052	0.015342	0.023227	0.3127	0.1198	0.8802	0.5675	0.4325
12.3	0.022028	0.015342	0.023237	0.31	0.1198	0.8802	0.5702	0.4298
12.34	0.022028	0.015342	0.023237	0.31	0.1198	0.8802	0.5702	0.4298
12.34	0.022002	0.015342	0.023247	0.3073	0.1198	0.8802	0.5729	0.4271
12.37	0.022002	0.015342	0.023247	0.3073	0.1198	0.8802	0.5729	0.4271
12.37	0.022002	0.015342	0.023247	0.3073	0.1198	0.8802	0.5729	0.4271
12.38	0.022002	0.015342	0.023247	0.3073	0.1198	0.8802	0.5729	0.4271
12.38	0.021976	0.015342	0.023256	0.3045	0.1198	0.8802	0.5757	0.4243
12.4	0.021976	0.015342	0.023256	0.3045	0.1198	0.8802	0.5757	0.4243
12.4	0.02195	0.015537	0.023256	0.3018	0.1226	0.8774	0.5757	0.4243
12.41	0.02195	0.015537	0.023256	0.3018	0.1226	0.8774	0.5757	0.4243
12.41	0.02195	0.015537	0.023256	0.3018	0.1226	0.8774	0.5757	0.4243
12.5	0.02195	0.015537	0.023256	0.3018	0.1226	0.8774	0.5757	0.4243
12.5	0.021925	0.015537	0.02327	0.2989	0.1226	0.8774	0.5785	0.4215
12.56	0.021925	0.015537	0.02327	0.2989	0.1226	0.8774	0.5785	0.4215
12.56	0.021925	0.015537	0.02327	0.2989	0.1226	0.8774	0.5785	0.4215
12.58	0.021925	0.015537	0.02327	0.2989	0.1226	0.8774	0.5785	0.4215
12.58	0.0219	0.015537	0.023283	0.2961	0.1226	0.8774	0.5813	0.4187
12.61	0.0219	0.015537	0.023283	0.2961	0.1226	0.8774	0.5813	0.4187
12.61	0.021874	0.015537	0.023296	0.2933	0.1226	0.8774	0.5842	0.4158
12.67	0.021874	0.015537	0.023296	0.2933	0.1226	0.8774	0.5842	0.4158
12.67	0.021846	0.015537	0.023306	0.2904	0.1226	0.8774	0.587	0.413
12.71	0.021846	0.015537	0.023306	0.2904	0.1226	0.8774	0.587	0.413
12.71	0.021817	0.01574	0.023306	0.2876	0.1254	0.8746	0.587	0.413
12.72	0.021817	0.01574	0.023306	0.2876	0.1254	0.8746	0.587	0.413
12.72	0.021786	0.015939	0.023306	0.2847	0.1283	0.8717	0.587	0.413

12.77	0.021786	0.015939	0.023306	0.2847	0.1283	0.8717	0.587	0.413
12.77	0.021786	0.015939	0.023306	0.2847	0.1283	0.8717	0.587	0.413
12.83	0.021786	0.015939	0.023306	0.2847	0.1283	0.8717	0.587	0.413
12.83	0.021754	0.015939	0.023318	0.2818	0.1283	0.8717	0.5899	0.4101
12.84	0.021754	0.015939	0.023318	0.2818	0.1283	0.8717	0.5899	0.4101
12.84	0.021754	0.015939	0.023318	0.2818	0.1283	0.8717	0.5899	0.4101
12.89	0.021754	0.015939	0.023318	0.2818	0.1283	0.8717	0.5899	0.4101
12.89	0.021723	0.016142	0.023318	0.2789	0.1312	0.8688	0.5899	0.4101
12.91	0.021723	0.016142	0.023318	0.2789	0.1312	0.8688	0.5899	0.4101
12.91	0.021723	0.016142	0.023318	0.2789	0.1312	0.8688	0.5899	0.4101
12.94	0.021723	0.016142	0.023318	0.2789	0.1312	0.8688	0.5899	0.4101
12.94	0.021692	0.016142	0.023331	0.276	0.1312	0.8688	0.5928	0.4072
12.95	0.021692	0.016142	0.023331	0.276	0.1312	0.8688	0.5928	0.4072
12.95	0.021692	0.016142	0.023331	0.276	0.1312	0.8688	0.5928	0.4072
13.09	0.021692	0.016142	0.023331	0.276	0.1312	0.8688	0.5928	0.4072
13.09	0.021661	0.016142	0.023345	0.273	0.1312	0.8688	0.5958	0.4042
13.1	0.021661	0.016142	0.023345	0.273	0.1312	0.8688	0.5958	0.4042
13.1	0.02163	0.016142	0.02336	0.27	0.1312	0.8688	0.5988	0.4012
13.12	0.02163	0.016142	0.02336	0.27	0.1312	0.8688	0.5988	0.4012
13.12	0.02163	0.016142	0.02336	0.27	0.1312	0.8688	0.5988	0.4012
13.15	0.02163	0.016142	0.02336	0.27	0.1312	0.8688	0.5988	0.4012
13.15	0.02163	0.016142	0.02336	0.27	0.1312	0.8688	0.5988	0.4012
13.16	0.02163	0.016142	0.02336	0.27	0.1312	0.8688	0.5988	0.4012
13.16	0.021603	0.016142	0.02338	0.2669	0.1312	0.8688	0.6019	0.3981
13.17	0.021603	0.016142	0.02338	0.2669	0.1312	0.8688	0.6019	0.3981
13.17	0.021573	0.016142	0.023397	0.2638	0.1312	0.8688	0.605	0.395
13.21	0.021573	0.016142	0.023397	0.2638	0.1312	0.8688	0.605	0.395
13.21	0.021542	0.016142	0.023413	0.2607	0.1312	0.8688	0.6081	0.3919
13.23	0.021542	0.016142	0.023413	0.2607	0.1312	0.8688	0.6081	0.3919
13.23	0.021508	0.016142	0.023427	0.2576	0.1312	0.8688	0.6112	0.3888
13.24	0.021508	0.016142	0.023427	0.2576	0.1312	0.8688	0.6112	0.3888
13.24	0.021508	0.016142	0.023427	0.2576	0.1312	0.8688	0.6112	0.3888
13.3	0.021508	0.016142	0.023427	0.2576	0.1312	0.8688	0.6112	0.3888
13.3	0.021508	0.016142	0.023427	0.2576	0.1312	0.8688	0.6112	0.3888
13.33	0.021508	0.016142	0.023427	0.2576	0.1312	0.8688	0.6112	0.3888
13.33	0.021508	0.016142	0.023427	0.2576	0.1312	0.8688	0.6112	0.3888
13.34	0.021508	0.016142	0.023427	0.2576	0.1312	0.8688	0.6112	0.3888
13.34	0.021508	0.016142	0.023427	0.2576	0.1312	0.8688	0.6112	0.3888
13.37	0.021508	0.016142	0.023427	0.2576	0.1312	0.8688	0.6112	0.3888
13.37	0.021481	0.016399	0.023427	0.2543	0.1344	0.8656	0.6112	0.3888
13.47	0.021481	0.016399	0.023427	0.2543	0.1344	0.8656	0.6112	0.3888
13.47	0.021481	0.016399	0.023427	0.2543	0.1344	0.8656	0.6112	0.3888
13.49	0.021481	0.016399	0.023427	0.2543	0.1344	0.8656	0.6112	0.3888
13.49	0.021481	0.016399	0.023427	0.2543	0.1344	0.8656	0.6112	0.3888
13.56	0.021481	0.016399	0.023427	0.2543	0.1344	0.8656	0.6112	0.3888
13.56	0.021458	0.016663	0.023427	0.251	0.1378	0.8622	0.6112	0.3888
13.57	0.021458	0.016663	0.023427	0.251	0.1378	0.8622	0.6112	0.3888
13.57	0.021458	0.016663	0.023427	0.251	0.1378	0.8622	0.6112	0.3888
13.74	0.021458	0.016663	0.023427	0.251	0.1378	0.8622	0.6112	0.3888
13.74	0.021458	0.016663	0.023427	0.251	0.1378	0.8622	0.6112	0.3888
13.77	0.021458	0.016663	0.023427	0.251	0.1378	0.8622	0.6112	0.3888
13.77	0.021437	0.016936	0.023427	0.2476	0.1412	0.8588	0.6112	0.3888

13.78	0.021437	0.016936	0.023427	0.2476	0.1412	0.8588	0.6112	0.3888
13.78	0.021437	0.016936	0.023427	0.2476	0.1412	0.8588	0.6112	0.3888
13.81	0.021437	0.016936	0.023427	0.2476	0.1412	0.8588	0.6112	0.3888
13.81	0.021437	0.016936	0.023427	0.2476	0.1412	0.8588	0.6112	0.3888
13.89	0.021437	0.016936	0.023427	0.2476	0.1412	0.8588	0.6112	0.3888
13.89	0.021421	0.016936	0.023472	0.244	0.1412	0.8588	0.6148	0.3852
13.91	0.021421	0.016936	0.023472	0.244	0.1412	0.8588	0.6148	0.3852
13.91	0.0214	0.016936	0.023513	0.2405	0.1412	0.8588	0.6183	0.3817
13.97	0.0214	0.016936	0.023513	0.2405	0.1412	0.8588	0.6183	0.3817
13.97	0.02138	0.016936	0.023555	0.2369	0.1412	0.8588	0.6219	0.3781
14.02	0.02138	0.016936	0.023555	0.2369	0.1412	0.8588	0.6219	0.3781
14.02	0.02138	0.016936	0.023555	0.2369	0.1412	0.8588	0.6219	0.3781
14.08	0.02138	0.016936	0.023555	0.2369	0.1412	0.8588	0.6219	0.3781
14.08	0.021359	0.016936	0.023598	0.2333	0.1412	0.8588	0.6255	0.3745
14.1	0.021359	0.016936	0.023598	0.2333	0.1412	0.8588	0.6255	0.3745
14.1	0.021359	0.016936	0.023598	0.2333	0.1412	0.8588	0.6255	0.3745
14.13	0.021359	0.016936	0.023598	0.2333	0.1412	0.8588	0.6255	0.3745
14.13	0.021359	0.016936	0.023598	0.2333	0.1412	0.8588	0.6255	0.3745
14.15	0.021359	0.016936	0.023598	0.2333	0.1412	0.8588	0.6255	0.3745
14.15	0.021344	0.017259	0.023598	0.2295	0.145	0.855	0.6255	0.3745
14.16	0.021344	0.017259	0.023598	0.2295	0.145	0.855	0.6255	0.3745
14.16	0.021323	0.017259	0.023648	0.2257	0.145	0.855	0.6293	0.3707
14.3	0.021323	0.017259	0.023648	0.2257	0.145	0.855	0.6293	0.3707
14.3	0.021297	0.017259	0.023692	0.222	0.145	0.855	0.6331	0.3669
14.39	0.021297	0.017259	0.023692	0.222	0.145	0.855	0.6331	0.3669
14.39	0.021271	0.017582	0.023692	0.2181	0.1488	0.8512	0.6331	0.3669
14.44	0.021271	0.017582	0.023692	0.2181	0.1488	0.8512	0.6331	0.3669
14.44	0.021271	0.017582	0.023692	0.2181	0.1488	0.8512	0.6331	0.3669
14.51	0.021271	0.017582	0.023692	0.2181	0.1488	0.8512	0.6331	0.3669
14.51	0.021244	0.017582	0.023744	0.2142	0.1488	0.8512	0.637	0.363
14.54	0.021244	0.017582	0.023744	0.2142	0.1488	0.8512	0.637	0.363
14.54	0.021244	0.017582	0.023744	0.2142	0.1488	0.8512	0.637	0.363
14.55	0.021244	0.017582	0.023744	0.2142	0.1488	0.8512	0.637	0.363
14.55	0.021218	0.017582	0.023798	0.2103	0.1488	0.8512	0.6409	0.3591
14.62	0.021218	0.017582	0.023798	0.2103	0.1488	0.8512	0.6409	0.3591
14.62	0.021186	0.017919	0.023798	0.2063	0.1528	0.8472	0.6409	0.3591
14.76	0.021186	0.017919	0.023798	0.2063	0.1528	0.8472	0.6409	0.3591
14.76	0.021146	0.017919	0.023845	0.2023	0.1528	0.8472	0.6449	0.3551
14.79	0.021146	0.017919	0.023845	0.2023	0.1528	0.8472	0.6449	0.3551
14.79	0.021048	0.018242	0.023886	0.1944	0.1567	0.8433	0.6489	0.3511
14.8	0.021048	0.018242	0.023886	0.1944	0.1567	0.8433	0.6489	0.3511
14.8	0.020996	0.018242	0.02393	0.1904	0.1567	0.8433	0.6529	0.3471
14.81	0.020996	0.018242	0.02393	0.1904	0.1567	0.8433	0.6529	0.3471
14.81	0.020996	0.018242	0.02393	0.1904	0.1567	0.8433	0.6529	0.3471
14.92	0.020996	0.018242	0.02393	0.1904	0.1567	0.8433	0.6529	0.3471
14.92	0.020996	0.018242	0.02393	0.1904	0.1567	0.8433	0.6529	0.3471
14.93	0.020996	0.018242	0.02393	0.1904	0.1567	0.8433	0.6529	0.3471
14.93	0.020951	0.018601	0.02393	0.1861	0.161	0.839	0.6529	0.3471
14.95	0.020951	0.018601	0.02393	0.1861	0.161	0.839	0.6529	0.3471
14.95	0.020898	0.018945	0.02393	0.1819	0.1652	0.8348	0.6529	0.3471
14.99	0.020898	0.018945	0.02393	0.1819	0.1652	0.8348	0.6529	0.3471
14.99	0.020836	0.018945	0.023984	0.1777	0.1652	0.8348	0.6571	0.3429

15	0.020836	0.018945	0.023984	0.1777	0.1652	0.8348	0.6571	0.3429
15	0.020836	0.018945	0.023984	0.1777	0.1652	0.8348	0.6571	0.3429
15.12	0.020836	0.018945	0.023984	0.1777	0.1652	0.8348	0.6571	0.3429
15.12	0.020773	0.018945	0.02404	0.1733	0.1652	0.8348	0.6615	0.3385
15.15	0.020773	0.018945	0.02404	0.1733	0.1652	0.8348	0.6615	0.3385
15.15	0.020773	0.018945	0.02404	0.1733	0.1652	0.8348	0.6615	0.3385
15.18	0.020773	0.018945	0.02404	0.1733	0.1652	0.8348	0.6615	0.3385
15.18	0.020773	0.018945	0.02404	0.1733	0.1652	0.8348	0.6615	0.3385
15.2	0.020773	0.018945	0.02404	0.1733	0.1652	0.8348	0.6615	0.3385
15.2	0.020733	0.019361	0.02404	0.1687	0.1699	0.8301	0.6615	0.3385
15.28	0.020733	0.019361	0.02404	0.1687	0.1699	0.8301	0.6615	0.3385
15.28	0.020693	0.019361	0.02414	0.1638	0.1699	0.8301	0.6663	0.3337
15.47	0.020693	0.019361	0.02414	0.1638	0.1699	0.8301	0.6663	0.3337
15.47	0.020638	0.019361	0.024227	0.159	0.1699	0.8301	0.6711	0.3289
15.5	0.020638	0.019361	0.024227	0.159	0.1699	0.8301	0.6711	0.3289
15.5	0.020567	0.019361	0.024301	0.1542	0.1699	0.8301	0.6759	0.3241
15.57	0.020567	0.019361	0.024301	0.1542	0.1699	0.8301	0.6759	0.3241
15.57	0.02038	0.020176	0.024301	0.1446	0.1795	0.8205	0.6759	0.3241
15.79	0.02038	0.020176	0.024301	0.1446	0.1795	0.8205	0.6759	0.3241
15.79	0.020262	0.020176	0.024361	0.1397	0.1795	0.8205	0.6807	0.3193
15.81	0.020262	0.020176	0.024361	0.1397	0.1795	0.8205	0.6807	0.3193
15.81	0.020144	0.020176	0.024427	0.1347	0.1795	0.8205	0.6857	0.3143
15.83	0.020144	0.020176	0.024427	0.1347	0.1795	0.8205	0.6857	0.3143
15.83	0.020006	0.020581	0.024427	0.1298	0.1845	0.8155	0.6857	0.3143
15.84	0.020006	0.020581	0.024427	0.1298	0.1845	0.8155	0.6857	0.3143
15.84	0.019849	0.020581	0.024478	0.1248	0.1845	0.8155	0.6907	0.3093
15.86	0.019849	0.020581	0.024478	0.1248	0.1845	0.8155	0.6907	0.3093
15.86	0.019673	0.020962	0.024478	0.1198	0.1895	0.8105	0.6907	0.3093
15.9	0.019673	0.020962	0.024478	0.1198	0.1895	0.8105	0.6907	0.3093
15.9	0.019476	0.020962	0.024514	0.1148	0.1895	0.8105	0.6957	0.3043
16	0.019476	0.020962	0.024514	0.1148	0.1895	0.8105	0.6957	0.3043
16	0.019476	0.020962	0.024514	0.1148	0.1895	0.8105	0.6957	0.3043
16.23	0.019476	0.020962	0.024514	0.1148	0.1895	0.8105	0.6957	0.3043
16.23	0.019476	0.020962	0.024514	0.1148	0.1895	0.8105	0.6957	0.3043
16.38	0.019476	0.020962	0.024514	0.1148	0.1895	0.8105	0.6957	0.3043
16.38	0.0193	0.020962	0.024587	0.1093	0.1895	0.8105	0.7012	0.2988
16.44	0.0193	0.020962	0.024587	0.1093	0.1895	0.8105	0.7012	0.2988
16.44	0.0193	0.020962	0.024587	0.1093	0.1895	0.8105	0.7012	0.2988
16.82	0.0193	0.020962	0.024587	0.1093	0.1895	0.8105	0.7012	0.2988
16.82	0.019123	0.020962	0.02467	0.1036	0.1895	0.8105	0.7069	0.2931
16.86	0.019123	0.020962	0.02467	0.1036	0.1895	0.8105	0.7069	0.2931
16.86	0.018906	0.021468	0.02467	0.0978	0.1952	0.8048	0.7069	0.2931
16.91	0.018906	0.021468	0.02467	0.0978	0.1952	0.8048	0.7069	0.2931
16.91	0.018649	0.021468	0.024724	0.0921	0.1952	0.8048	0.7127	0.2873
17	0.018649	0.021468	0.024724	0.0921	0.1952	0.8048	0.7127	0.2873
17	0.01835	0.02193	0.024724	0.0863	0.201	0.799	0.7127	0.2873
17.02	0.01835	0.02193	0.024724	0.0863	0.201	0.799	0.7127	0.2873
17.02	0.018006	0.02193	0.024749	0.0806	0.201	0.799	0.7184	0.2816
17.09	0.018006	0.02193	0.024749	0.0806	0.201	0.799	0.7184	0.2816
17.09	0.017615	0.02193	0.024746	0.0748	0.201	0.799	0.7242	0.2758
17.27	0.017615	0.02193	0.024746	0.0748	0.201	0.799	0.7242	0.2758
17.27	0.017174	0.02193	0.024714	0.069	0.201	0.799	0.73	0.27

17.28	0.017174	0.02193	0.024714	0.069	0.201	0.799	0.73	0.27
17.28	0.016679	0.022351	0.024714	0.0633	0.2068	0.7932	0.73	0.27
17.95	0.016679	0.022351	0.024714	0.0633	0.2068	0.7932	0.73	0.27
17.95	0.016124	0.022351	0.024653	0.0575	0.2068	0.7932	0.7357	0.2643
18.02	0.016124	0.022351	0.024653	0.0575	0.2068	0.7932	0.7357	0.2643
18.02	0.015505	0.022351	0.024563	0.0518	0.2068	0.7932	0.7415	0.2585
18.07	0.015505	0.022351	0.024563	0.0518	0.2068	0.7932	0.7415	0.2585
18.07	0.014811	0.022733	0.024563	0.046	0.2125	0.7875	0.7415	0.2585
18.41	0.014811	0.022733	0.024563	0.046	0.2125	0.7875	0.7415	0.2585
18.41	0.014811	0.022733	0.024563	0.046	0.2125	0.7875	0.7415	0.2585
18.43	0.014811	0.022733	0.024563	0.046	0.2125	0.7875	0.7415	0.2585
18.43	0.014079	0.023224	0.024563	0.0395	0.2191	0.7809	0.7415	0.2585
18.48	0.014079	0.023224	0.024563	0.0395	0.2191	0.7809	0.7415	0.2585
18.48	0.014079	0.023224	0.024563	0.0395	0.2191	0.7809	0.7415	0.2585
18.61	0.014079	0.023224	0.024563	0.0395	0.2191	0.7809	0.7415	0.2585
18.61	0.013292	0.02388	0.024563	0.0316	0.227	0.773	0.7415	0.2585
18.92	0.013292	0.02388	0.024563	0.0316	0.227	0.773	0.7415	0.2585
18.92	0.012086	0.02388	0.024671	0.0237	0.227	0.773	0.7494	0.2506
19.08	0.012086	0.02388	0.024671	0.0237	0.227	0.773	0.7494	0.2506
19.08	0.012086	0.02388	0.024671	0.0237	0.227	0.773	0.7494	0.2506
19.13	0.012086	0.02388	0.024671	0.0237	0.227	0.773	0.7494	0.2506
19.13	0.010323	0.02496	0.024671	0.0118	0.2388	0.7612	0.7494	0.2506
20.23	0.010323	0.02496	0.024671	0.0118	0.2388	0.7612	0.7494	0.2506
20.23	0	0.024671	0.024671	0	0.2506	0.7494	0.7494	0.2506

Appendix E2. Kaplan–Meier actuarial freedom from event 1

	Ffall lcl	Ffall ucl	EV1 lcl	EV1 ucl	EV2 lcl	Ev2 Ucl
1	0.947671	0.980329	0	0	0.019671	0.052329
1	0.947671	0.980329	0	0	0.019671	0.052329
1	0.930752	0.969048	0	0	0.030952	0.069248
1	0.930752	0.969048	0	0	0.030952	0.069248
1	0.918915	0.960685	0	0	0.039315	0.081085
1	0.918915	0.960685	0	0	0.039315	0.081085
1	0.916589	0.959011	0	0	0.040989	0.083411
1	0.916589	0.959011	0	0	0.040989	0.083411
1	0.907241	0.952159	0	0	0.047841	0.092759
1	0.907241	0.952159	0	0	0.047841	0.092759
1	0.90265	0.94875	0	0	0.05125	0.09735
1	0.90265	0.94875	0	0	0.05125	0.09735
1	0.89798	0.94522	0	0	0.05478	0.10202
1	0.89798	0.94522	0	0	0.05478	0.10202
1	0.893429	0.941771	0	0	0.058229	0.106571
1	0.893429	0.941771	0	0	0.058229	0.106571
1	0.891159	0.940041	0	0	0.059959	0.108841
1	0.891159	0.940041	0	0	0.059959	0.108841
1	0.888794	0.938206	0	0	0.061794	0.111206
1	0.888794	0.938206	0	0	0.061794	0.111206
1	0.886533	0.936467	0	0	0.063533	0.113467
1	0.886533	0.936467	0	0	0.063533	0.113467
1	0.886533	0.936467	0	0	0.063533	0.113467
1	0.886533	0.936467	0	0	0.063533	0.113467
1	0.884275	0.934725	0	0	0.065275	0.115725
1	0.884275	0.934725	0	0	0.065275	0.115725
1	0.882021	0.932979	0	0	0.067021	0.117979
1	0.882021	0.932979	0	0	0.067021	0.117979
1	0.87967	0.93113	0	0	0.06887	0.12033
1	0.87967	0.93113	0	0	0.06887	0.12033
1	0.87967	0.93113	0	0	0.06887	0.12033
1	0.87967	0.93113	0	0	0.06887	0.12033
1	0.877422	0.929378	0	0	0.070622	0.122578
1	0.877422	0.929378	0	0	0.070622	0.122578
1	0.875178	0.927622	0	0	0.072378	0.124822
1	0.875178	0.927622	0	0	0.072378	0.124822
1	0.872837	0.925763	0	0	0.074237	0.127163
1	0.872837	0.925763	0	0	0.074237	0.127163
1	0.870599	0.924001	0	0	0.075999	0.129401
1	0.870599	0.924001	0	0	0.075999	0.129401
1	0.868364	0.922236	0	0	0.077764	0.131636
1	0.868364	0.922236	0	0	0.077764	0.131636
1	0.866133	0.920467	0	0	0.079533	0.133867
1	0.866133	0.920467	0	0	0.079533	0.133867
1	0.863805	0.918595	0	0	0.081405	0.136195

1	0.863805	0.918595	0	0	0.081405	0.136195
1	0.86158	0.91682	0	0	0.08318	0.13842
1	0.86158	0.91682	0	0	0.08318	0.13842
1	0.859358	0.915042	0	0	0.084958	0.140642
1	0.859358	0.915042	0	0	0.084958	0.140642
1	0.857039	0.913161	0	0	0.086839	0.142961
1	0.857039	0.913161	0	0	0.086839	0.142961
1	0.854822	0.911378	0	0	0.088622	0.145178
1	0.854822	0.911378	0	0	0.088622	0.145178
1	0.852609	0.909591	0	0	0.090409	0.147391
1	0.852609	0.909591	0	0	0.090409	0.147391
1	0.850298	0.907702	0	0	0.092298	0.149702
1	0.850298	0.907702	0	0	0.092298	0.149702
1	0.845884	0.904116	0	0	0.095884	0.154116
1	0.845884	0.904116	0	0	0.095884	0.154116
1	0.843581	0.902219	0	0	0.097781	0.156419
1	0.843581	0.902219	0	0	0.097781	0.156419
1	0.841381	0.900419	0	0	0.099581	0.158619
1	0.841381	0.900419	0	0	0.099581	0.158619
1	0.839182	0.898618	0	0	0.101382	0.160818
1	0.839182	0.898618	0	0	0.101382	0.160818
1	0.836987	0.896813	0	0	0.103187	0.163013
1	0.836987	0.896813	0	0	0.103187	0.163013
1	0.834693	0.894907	0	0	0.105093	0.165307
1	0.834693	0.894907	0	0	0.105093	0.165307
1	0.832502	0.893098	0	0	0.106902	0.167498
1	0.832502	0.893098	0	0	0.106902	0.167498
1	0.830313	0.891287	0	0	0.108713	0.169687
1	0.830313	0.891287	0	0	0.108713	0.169687
1	0.828027	0.889373	0	0	0.110627	0.171973
1	0.828027	0.889373	0	0	0.110627	0.171973
1	0.828027	0.889373	0	0	0.110627	0.171973
1	0.828027	0.889373	0	0	0.110627	0.171973
1	0.825841	0.887559	0	0	0.112441	0.174159
1	0.825841	0.887559	0	0	0.112441	0.174159
1	0.823658	0.885742	0	0	0.114258	0.176342
1	0.823658	0.885742	0	0	0.114258	0.176342
1	0.821377	0.883823	0	0	0.116177	0.178623
1	0.821377	0.883823	0	0	0.116177	0.178623
1	0.819197	0.882003	0	0	0.117997	0.180803
1	0.819197	0.882003	0	0	0.117997	0.180803
1	0.81702	0.88018	0	0	0.11982	0.18298
1	0.81702	0.88018	0	0	0.11982	0.18298
1	0.81702	0.88018	0	0	0.11982	0.18298
1	0.81702	0.88018	0	0	0.11982	0.18298
1	0.814744	0.878256	0	0	0.121744	0.185256
1	0.814744	0.878256	0	0	0.121744	0.185256
1	0.814744	0.878256	0	0	0.121744	0.185256
1	0.814744	0.878256	0	0	0.121744	0.185256
1	0.812569	0.876431	0	0	0.123569	0.187431
1	0.812569	0.876431	0	0	0.123569	0.187431
1	0.810296	0.874504	0	0	0.125496	0.189704

1	0.810296	0.874504	0	0	0.125496	0.189704
1	0.808124	0.872676	0	0	0.127324	0.191876
1	0.808124	0.872676	0	0	0.127324	0.191876
1	0.805855	0.870745	0	0	0.129255	0.194145
1	0.805855	0.870745	0	0	0.129255	0.194145
1	0.803688	0.868912	0	0	0.131088	0.196312
1	0.803688	0.868912	0	0	0.131088	0.196312
1	0.797096	0.863304	0	0	0.136696	0.202904
1	0.797096	0.863304	0	0	0.136696	0.202904
1	0.792678	0.859522	0	0	0.140478	0.207322
1	0.792678	0.859522	0	0	0.140478	0.207322
1	0.790421	0.857579	0	0	0.142421	0.209579
1	0.790421	0.857579	0	0	0.142421	0.209579
1	0.788266	0.855734	0	0	0.144266	0.211734
1	0.788266	0.855734	0	0	0.144266	0.211734
1	0.786013	0.853787	0	0	0.146213	0.213987
1	0.786013	0.853787	0	0	0.146213	0.213987
1	0.783861	0.851939	0	0	0.148061	0.216139
1	0.783861	0.851939	0	0	0.148061	0.216139
1	0.781711	0.850089	0	0	0.149911	0.218289
1	0.781711	0.850089	0	0	0.149911	0.218289
1	0.779463	0.848137	0	0	0.151863	0.220537
1	0.779463	0.848137	0	0	0.151863	0.220537
1	0.777316	0.846284	0	0	0.153716	0.222684
1	0.777316	0.846284	0	0	0.153716	0.222684
1	0.775071	0.844329	0	0	0.155671	0.224929
1	0.775071	0.844329	0	0	0.155671	0.224929
1	0.772927	0.842473	0	0	0.157527	0.227073
1	0.772927	0.842473	0	0	0.157527	0.227073
1	0.770685	0.840515	0	0	0.159485	0.229315
1	0.770685	0.840515	0	0	0.159485	0.229315
1	0.768544	0.838656	0	0	0.161344	0.231456
1	0.768544	0.838656	0	0	0.161344	0.231456
1	0.766305	0.836695	0	0	0.163305	0.233695
1	0.766305	0.836695	0	0	0.163305	0.233695
1	0.764167	0.834833	0	0	0.165167	0.235833
1	0.764167	0.834833	0	0	0.165167	0.235833
1	0.762031	0.832969	0	0	0.167031	0.237969
1	0.762031	0.832969	0	0	0.167031	0.237969
1	0.759797	0.831003	0	0	0.168997	0.240203
1	0.759797	0.831003	0	0	0.168997	0.240203
1	0.757663	0.829137	0	0	0.170863	0.242337
1	0.757663	0.829137	0	0	0.170863	0.242337
1	0.755431	0.827169	0	0	0.172831	0.244569
1	0.755431	0.827169	0	0	0.172831	0.244569
1	0.753301	0.825299	0	0	0.174701	0.246699
1	0.753301	0.825299	0	0	0.174701	0.246699
1	0.751072	0.823328	0	0	0.176672	0.248928
1	0.751072	0.823328	0	0	0.176672	0.248928
1	0.746718	0.819482	0	0	0.180518	0.253282
1	0.746718	0.819482	0	0	0.180518	0.253282
1	0.744592	0.817608	0	0	0.182392	0.255408

1	0.744592	0.817608	0	0	0.182392	0.255408
1	0.742369	0.815631	0	0	0.184369	0.257631
1	0.742369	0.815631	0	0	0.184369	0.257631
1	0.742369	0.815631	0	0	0.184369	0.257631
1	0.742369	0.815631	0	0	0.184369	0.257631
1	0.740245	0.813755	0	0	0.186245	0.259755
1	0.740245	0.813755	0	0	0.186245	0.259755
1	0.738023	0.811777	0	0	0.188223	0.261977
1	0.738023	0.811777	0	0	0.188223	0.261977
1	0.735903	0.809897	0	0	0.190103	0.264097
1	0.735903	0.809897	0	0	0.190103	0.264097
1	0.733683	0.807917	0	0	0.192083	0.266317
1	0.733683	0.807917	0	0	0.192083	0.266317
1	0.733683	0.807917	0	0	0.192083	0.266317
1	0.733683	0.807917	0	0	0.192083	0.266317
1	0.731564	0.806036	0	0	0.193964	0.268436
1	0.731564	0.806036	0	0	0.193964	0.268436
1	0.72723	0.80217	0	0	0.19783	0.27277
1	0.72723	0.80217	0	0	0.19783	0.27277
1	0.725015	0.800185	0	0	0.199815	0.274985
1	0.725015	0.800185	0	0	0.199815	0.274985
1	0.722901	0.798299	0	0	0.201701	0.277099
1	0.722901	0.798299	0	0	0.201701	0.277099
1	0.720688	0.796312	0	0	0.203688	0.279312
1	0.720688	0.796312	0	0	0.203688	0.279312
1	0.718576	0.794424	0	0	0.205576	0.281424
1	0.718576	0.794424	0	0	0.205576	0.281424
1	0.714157	0.790443	0	0	0.209557	0.285843
1	0.714157	0.790443	0	0	0.209557	0.285843
0.9973	0.712049	0.788551	-0.001925	0.006125	0.209557	0.285843
0.9973	0.712049	0.788551	-0.001925	0.006125	0.209557	0.285843
0.9973	0.709842	0.786558	-0.001925	0.006125	0.211449	0.287951
0.9973	0.709842	0.786558	-0.001925	0.006125	0.211449	0.287951
0.9973	0.705532	0.782668	-0.001925	0.006125	0.215336	0.292264
0.9973	0.705532	0.782668	-0.001925	0.006125	0.215336	0.292264
0.9973	0.703429	0.780771	-0.001925	0.006125	0.217332	0.294468
0.9973	0.703429	0.780771	-0.001925	0.006125	0.217332	0.294468
0.9973	0.701226	0.778774	-0.001925	0.006125	0.219229	0.296571
0.9973	0.701226	0.778774	-0.001925	0.006125	0.219229	0.296571
0.9973	0.699125	0.776875	-0.001925	0.006125	0.221226	0.298774
0.9973	0.699125	0.776875	-0.001925	0.006125	0.221226	0.298774
0.9973	0.699125	0.776875	-0.001925	0.006125	0.221226	0.298774
0.9973	0.699125	0.776875	-0.001925	0.006125	0.221226	0.298774
0.9945	0.696925	0.774875	-0.001594	0.009794	0.221226	0.298774
0.9945	0.696925	0.774875	-0.001594	0.009794	0.221226	0.298774
0.9945	0.694724	0.772876	-0.001594	0.009794	0.223224	0.300976
0.9945	0.694724	0.772876	-0.001594	0.009794	0.223224	0.300976
0.9945	0.692625	0.770975	-0.001594	0.009794	0.225122	0.303078
0.9945	0.692625	0.770975	-0.001594	0.009794	0.225122	0.303078
0.9945	0.690426	0.768974	-0.001594	0.009794	0.227122	0.305278
0.9945	0.690426	0.768974	-0.001594	0.009794	0.227122	0.305278
0.9917	0.688229	0.766971	-0.000776	0.013176	0.227122	0.305278

0.9917	0.688229	0.766971	-0.000776	0.013176	0.227122	0.305278
0.9917	0.686133	0.765067	-0.000776	0.013176	0.229122	0.307478
0.9917	0.686133	0.765067	-0.000776	0.013176	0.229122	0.307478
0.9917	0.686133	0.765067	-0.000776	0.013176	0.229122	0.307478
0.9917	0.686133	0.765067	-0.000776	0.013176	0.229122	0.307478
0.9917	0.683937	0.763063	-0.000776	0.013176	0.231023	0.309577
0.9917	0.683937	0.763063	-0.000776	0.013176	0.231023	0.309577
0.9917	0.681743	0.761057	-0.000776	0.013176	0.233025	0.311775
0.9917	0.681743	0.761057	-0.000776	0.013176	0.233025	0.311775
0.9917	0.679549	0.759051	-0.000776	0.013176	0.235028	0.313972
0.9917	0.679549	0.759051	-0.000776	0.013176	0.235028	0.313972
0.9888	0.677456	0.757144	0.000242	0.016358	0.235028	0.313972
0.9888	0.677456	0.757144	0.000242	0.016358	0.235028	0.313972
0.9859	0.675265	0.755135	0.001292	0.019308	0.235028	0.313972
0.9859	0.675265	0.755135	0.001292	0.019308	0.235028	0.313972
0.9859	0.673075	0.753125	0.001292	0.019308	0.236932	0.316068
0.9859	0.673075	0.753125	0.001292	0.019308	0.236932	0.316068
0.9859	0.670885	0.751115	0.001292	0.019308	0.238938	0.318262
0.9859	0.670885	0.751115	0.001292	0.019308	0.238938	0.318262
0.9859	0.668797	0.749203	0.001292	0.019308	0.240944	0.320456
0.9859	0.668797	0.749203	0.001292	0.019308	0.240944	0.320456
0.9859	0.668797	0.749203	0.001292	0.019308	0.240944	0.320456
0.9859	0.668797	0.749203	0.001292	0.019308	0.240944	0.320456
0.9859	0.666609	0.747191	0.001292	0.019308	0.242951	0.322649
0.9859	0.666609	0.747191	0.001292	0.019308	0.242951	0.322649
0.9859	0.660151	0.741249	0.001292	0.019308	0.248877	0.329123
0.9859	0.660151	0.741249	0.001292	0.019308	0.248877	0.329123
0.9859	0.657967	0.739233	0.001292	0.019308	0.250888	0.331312
0.9859	0.657967	0.739233	0.001292	0.019308	0.250888	0.331312
0.9859	0.655784	0.737216	0.001292	0.019308	0.2529	0.3335
0.9859	0.655784	0.737216	0.001292	0.019308	0.2529	0.3335
0.9859	0.653602	0.735198	0.001292	0.019308	0.254813	0.335587
0.9859	0.653602	0.735198	0.001292	0.019308	0.254813	0.335587
0.9859	0.651421	0.733179	0.001292	0.019308	0.256827	0.337773
0.9859	0.651421	0.733179	0.001292	0.019308	0.256827	0.337773
0.9859	0.649342	0.731258	0.001292	0.019308	0.258842	0.339958
0.9859	0.649342	0.731258	0.001292	0.019308	0.258842	0.339958
0.9859	0.644985	0.727215	0.001292	0.019308	0.262876	0.344324
0.9859	0.644985	0.727215	0.001292	0.019308	0.262876	0.344324
0.9859	0.642808	0.725192	0.001292	0.019308	0.264794	0.346406
0.9859	0.642808	0.725192	0.001292	0.019308	0.264794	0.346406
0.9859	0.640632	0.723168	0.001292	0.019308	0.266813	0.348587
0.9859	0.640632	0.723168	0.001292	0.019308	0.266813	0.348587
0.9859	0.638557	0.721243	0.001292	0.019308	0.268833	0.350767
0.9859	0.638557	0.721243	0.001292	0.019308	0.268833	0.350767
0.9859	0.63421	0.71719	0.001292	0.019308	0.272877	0.355123
0.9859	0.63421	0.71719	0.001292	0.019308	0.272877	0.355123
0.9859	0.632038	0.715162	0.001292	0.019308	0.2748	0.3572
0.9859	0.632038	0.715162	0.001292	0.019308	0.2748	0.3572
0.9859	0.632038	0.715162	0.001292	0.019308	0.2748	0.3572
0.9859	0.632038	0.715162	0.001292	0.019308	0.2748	0.3572
0.9859	0.629867	0.713133	0.001292	0.019308	0.276823	0.359377

0.9859	0.629867	0.713133	0.001292	0.019308	0.276823	0.359377
0.9859	0.627796	0.711204	0.001292	0.019308	0.278848	0.361552
0.9859	0.627796	0.711204	0.001292	0.019308	0.278848	0.361552
0.9859	0.625626	0.709174	0.001292	0.019308	0.280873	0.363727
0.9859	0.625626	0.709174	0.001292	0.019308	0.280873	0.363727
0.9829	0.623457	0.707143	0.002528	0.022272	0.280873	0.363727
0.9829	0.623457	0.707143	0.002528	0.022272	0.280873	0.363727
0.9829	0.621289	0.705111	0.002528	0.022272	0.282899	0.365901
0.9829	0.621289	0.705111	0.002528	0.022272	0.282899	0.365901
0.9829	0.619122	0.703078	0.002528	0.022272	0.284927	0.368073
0.9829	0.619122	0.703078	0.002528	0.022272	0.284927	0.368073
0.9829	0.616956	0.701044	0.002528	0.022272	0.286955	0.370245
0.9829	0.616956	0.701044	0.002528	0.022272	0.286955	0.370245
0.9829	0.61479	0.69901	0.002528	0.022272	0.288884	0.372316
0.9829	0.61479	0.69901	0.002528	0.022272	0.288884	0.372316
0.9797	0.610563	0.695037	0.003836	0.025164	0.290914	0.374486
0.9797	0.610563	0.695037	0.003836	0.025164	0.290914	0.374486
0.9797	0.6084	0.693	0.003836	0.025164	0.292945	0.376655
0.9797	0.6084	0.693	0.003836	0.025164	0.292945	0.376655
0.9766	0.606239	0.690961	0.005202	0.027998	0.292945	0.376655
0.9766	0.606239	0.690961	0.005202	0.027998	0.292945	0.376655
0.9766	0.604078	0.688922	0.005202	0.027998	0.294978	0.378822
0.9766	0.604078	0.688922	0.005202	0.027998	0.294978	0.378822
0.9766	0.601919	0.686881	0.005202	0.027998	0.297011	0.380989
0.9766	0.601919	0.686881	0.005202	0.027998	0.297011	0.380989
0.9766	0.59976	0.68484	0.005202	0.027998	0.299045	0.383155
0.9766	0.59976	0.68484	0.005202	0.027998	0.299045	0.383155
0.9766	0.597702	0.682898	0.005202	0.027998	0.30108	0.38532
0.9766	0.597702	0.682898	0.005202	0.027998	0.30108	0.38532
0.9766	0.595545	0.680855	0.005202	0.027998	0.303015	0.387385
0.9766	0.595545	0.680855	0.005202	0.027998	0.303015	0.387385
0.9766	0.593389	0.678811	0.005202	0.027998	0.305052	0.389548
0.9766	0.593389	0.678811	0.005202	0.027998	0.305052	0.389548
0.9766	0.591234	0.676766	0.005202	0.027998	0.30709	0.39171
0.9766	0.591234	0.676766	0.005202	0.027998	0.30709	0.39171
0.9734	0.58908	0.67472	0.006616	0.030784	0.30709	0.39171
0.9734	0.58908	0.67472	0.006616	0.030784	0.30709	0.39171
0.9734	0.584774	0.670626	0.006616	0.030784	0.311168	0.396032
0.9734	0.584774	0.670626	0.006616	0.030784	0.311168	0.396032
0.9702	0.582723	0.668677	0.008069	0.033531	0.311168	0.396032
0.9702	0.582723	0.668677	0.008069	0.033531	0.311168	0.396032
0.9702	0.580572	0.666628	0.008069	0.033531	0.313209	0.398191
0.9702	0.580572	0.666628	0.008069	0.033531	0.313209	0.398191
0.9669	0.578422	0.664578	0.009456	0.036144	0.313209	0.398191
0.9669	0.578422	0.664578	0.009456	0.036144	0.313209	0.398191
0.9669	0.576273	0.662527	0.009456	0.036144	0.31515	0.40025
0.9669	0.576273	0.662527	0.009456	0.036144	0.31515	0.40025
0.9669	0.576273	0.662527	0.009456	0.036144	0.31515	0.40025
0.9669	0.576273	0.662527	0.009456	0.036144	0.31515	0.40025
0.9669	0.571976	0.658424	0.009456	0.036144	0.319234	0.404566
0.9669	0.571976	0.658424	0.009456	0.036144	0.319234	0.404566
0.9636	0.567683	0.654317	0.010969	0.038831	0.321277	0.406723

0.9636	0.567683	0.654317	0.010969	0.038831	0.321277	0.406723
0.9603	0.565538	0.652262	0.012508	0.041492	0.321277	0.406723
0.9603	0.565538	0.652262	0.012508	0.041492	0.321277	0.406723
0.9603	0.563493	0.650307	0.012508	0.041492	0.323321	0.408879
0.9603	0.563493	0.650307	0.012508	0.041492	0.323321	0.408879
0.9603	0.561349	0.648251	0.012508	0.041492	0.325366	0.411034
0.9603	0.561349	0.648251	0.012508	0.041492	0.325366	0.411034
0.9603	0.559207	0.646193	0.012508	0.041492	0.327412	0.413188
0.9603	0.559207	0.646193	0.012508	0.041492	0.327412	0.413188
0.957	0.554924	0.642076	0.01407	0.04413	0.329459	0.415341
0.957	0.554924	0.642076	0.01407	0.04413	0.329459	0.415341
0.957	0.554924	0.642076	0.01407	0.04413	0.329459	0.415341
0.957	0.554924	0.642076	0.01407	0.04413	0.329459	0.415341
0.957	0.554924	0.642076	0.01407	0.04413	0.329459	0.415341
0.957	0.554924	0.642076	0.01407	0.04413	0.329459	0.415341
0.9536	0.552782	0.640018	0.015646	0.046754	0.329459	0.415341
0.9536	0.552782	0.640018	0.015646	0.046754	0.329459	0.415341
0.9536	0.550641	0.637959	0.015646	0.046754	0.331505	0.417495
0.9536	0.550641	0.637959	0.015646	0.046754	0.331505	0.417495
0.9536	0.548501	0.635899	0.015646	0.046754	0.333552	0.419648
0.9536	0.548501	0.635899	0.015646	0.046754	0.333552	0.419648
0.9536	0.548501	0.635899	0.015646	0.046754	0.333552	0.419648
0.9536	0.548501	0.635899	0.015646	0.046754	0.333552	0.419648
0.9502	0.546261	0.633739	0.017237	0.049363	0.333552	0.419648
0.9502	0.546261	0.633739	0.017237	0.049363	0.333552	0.419648
0.9502	0.544121	0.631679	0.017237	0.049363	0.335599	0.421801
0.9502	0.544121	0.631679	0.017237	0.049363	0.335599	0.421801
0.9502	0.541983	0.629617	0.017237	0.049363	0.337647	0.423953
0.9502	0.541983	0.629617	0.017237	0.049363	0.337647	0.423953
0.9468	0.537709	0.625491	0.018947	0.052053	0.339796	0.426204
0.9468	0.537709	0.625491	0.018947	0.052053	0.339796	0.426204
0.9468	0.535573	0.623427	0.018947	0.052053	0.341845	0.428355
0.9468	0.535573	0.623427	0.018947	0.052053	0.341845	0.428355
0.9433	0.531205	0.619195	0.020572	0.054628	0.343896	0.430504
0.9433	0.531205	0.619195	0.020572	0.054628	0.343896	0.430504
0.9399	0.529071	0.617129	0.022213	0.057187	0.343896	0.430504
0.9399	0.529071	0.617129	0.022213	0.057187	0.343896	0.430504
0.9399	0.526939	0.615061	0.022213	0.057187	0.345948	0.432652
0.9399	0.526939	0.615061	0.022213	0.057187	0.345948	0.432652
0.9399	0.524808	0.612992	0.022213	0.057187	0.348	0.4348
0.9399	0.524808	0.612992	0.022213	0.057187	0.348	0.4348
0.9399	0.522677	0.610923	0.022213	0.057187	0.350053	0.436947
0.9399	0.522677	0.610923	0.022213	0.057187	0.350053	0.436947
0.9399	0.520548	0.608852	0.022213	0.057187	0.352108	0.439092
0.9399	0.520548	0.608852	0.022213	0.057187	0.352108	0.439092
0.9363	0.518419	0.606781	0.023867	0.059733	0.352108	0.439092
0.9363	0.518419	0.606781	0.023867	0.059733	0.352108	0.439092
0.9328	0.516191	0.604609	0.025534	0.062266	0.352108	0.439092
0.9328	0.516191	0.604609	0.025534	0.062266	0.352108	0.439092
0.9328	0.514064	0.602536	0.025534	0.062266	0.354263	0.441337
0.9328	0.514064	0.602536	0.025534	0.062266	0.354263	0.441337
0.9293	0.511938	0.600462	0.027214	0.064786	0.354263	0.441337

0.9293	0.511938	0.600462	0.027214	0.064786	0.354263	0.441337
0.9293	0.509812	0.598388	0.027214	0.064786	0.356319	0.443481
0.9293	0.509812	0.598388	0.027214	0.064786	0.356319	0.443481
0.9257	0.507688	0.596312	0.028904	0.067296	0.356319	0.443481
0.9257	0.507688	0.596312	0.028904	0.067296	0.356319	0.443481
0.9222	0.505564	0.594236	0.030705	0.069895	0.356319	0.443481
0.9222	0.505564	0.594236	0.030705	0.069895	0.356319	0.443481
0.9222	0.503341	0.592059	0.030705	0.069895	0.358376	0.445624
0.9222	0.503341	0.592059	0.030705	0.069895	0.358376	0.445624
0.9222	0.501219	0.589981	0.030705	0.069895	0.360434	0.447766
0.9222	0.501219	0.589981	0.030705	0.069895	0.360434	0.447766
0.9222	0.499098	0.587902	0.030705	0.069895	0.362492	0.449908
0.9222	0.499098	0.587902	0.030705	0.069895	0.362492	0.449908
0.9222	0.499098	0.587902	0.030705	0.069895	0.362492	0.449908
0.9222	0.499098	0.587902	0.030705	0.069895	0.362492	0.449908
0.9222	0.496977	0.585823	0.030705	0.069895	0.364551	0.452049
0.9222	0.496977	0.585823	0.030705	0.069895	0.364551	0.452049
0.9222	0.494857	0.583743	0.030705	0.069895	0.36671	0.45429
0.9222	0.494857	0.583743	0.030705	0.069895	0.36671	0.45429
0.9222	0.492638	0.581562	0.030705	0.069895	0.368771	0.456429
0.9222	0.492638	0.581562	0.030705	0.069895	0.368771	0.456429
0.9222	0.490519	0.579481	0.030705	0.069895	0.370832	0.458568
0.9222	0.490519	0.579481	0.030705	0.069895	0.370832	0.458568
0.9185	0.486284	0.575316	0.032412	0.072388	0.372895	0.460705
0.9185	0.486284	0.575316	0.032412	0.072388	0.372895	0.460705
0.9185	0.484168	0.573232	0.032412	0.072388	0.375058	0.462942
0.9185	0.484168	0.573232	0.032412	0.072388	0.375058	0.462942
0.9185	0.479839	0.568961	0.032412	0.072388	0.379187	0.467213
0.9185	0.479839	0.568961	0.032412	0.072388	0.379187	0.467213
0.9185	0.477726	0.566874	0.032412	0.072388	0.381252	0.469348
0.9185	0.477726	0.566874	0.032412	0.072388	0.381252	0.469348
0.9185	0.475613	0.564787	0.032412	0.072388	0.383419	0.471581
0.9185	0.475613	0.564787	0.032412	0.072388	0.383419	0.471581
0.9185	0.473401	0.562599	0.032412	0.072388	0.385487	0.473713
0.9185	0.473401	0.562599	0.032412	0.072388	0.385487	0.473713
0.9185	0.469178	0.558422	0.032412	0.072388	0.389622	0.477978
0.9185	0.469178	0.558422	0.032412	0.072388	0.389622	0.477978
0.9147	0.466968	0.556232	0.034126	0.074874	0.389622	0.477978
0.9147	0.466968	0.556232	0.034126	0.074874	0.389622	0.477978
0.9147	0.464859	0.554141	0.034126	0.074874	0.391792	0.480208
0.9147	0.464859	0.554141	0.034126	0.074874	0.391792	0.480208
0.9071	0.460543	0.549857	0.037679	0.079921	0.391792	0.480208
0.9071	0.460543	0.549857	0.037679	0.079921	0.391792	0.480208
0.9032	0.458437	0.547763	0.039419	0.082381	0.391792	0.480208
0.9032	0.458437	0.547763	0.039419	0.082381	0.391792	0.480208
0.9032	0.458437	0.547763	0.039419	0.082381	0.391792	0.480208
0.9032	0.458437	0.547763	0.039419	0.082381	0.391792	0.480208
0.9032	0.458437	0.547763	0.039419	0.082381	0.391792	0.480208
0.9032	0.458437	0.547763	0.039419	0.082381	0.391792	0.480208
0.9032	0.456329	0.545671	0.039419	0.082381	0.39386	0.48234
0.9032	0.456329	0.545671	0.039419	0.082381	0.39386	0.48234
0.9032	0.454123	0.543477	0.039419	0.082381	0.396029	0.484571

0.9032	0.454123	0.543477	0.039419	0.082381	0.396029	0.484571
0.9032	0.452017	0.541383	0.039419	0.082381	0.398099	0.486701
0.9032	0.452017	0.541383	0.039419	0.082381	0.398099	0.486701
0.8993	0.449812	0.539188	0.041259	0.084941	0.398099	0.486701
0.8993	0.449812	0.539188	0.041259	0.084941	0.398099	0.486701
0.8993	0.449812	0.539188	0.041259	0.084941	0.398099	0.486701
0.8993	0.449812	0.539188	0.041259	0.084941	0.398099	0.486701
0.8993	0.447707	0.537093	0.041259	0.084941	0.400269	0.488931
0.8993	0.447707	0.537093	0.041259	0.084941	0.400269	0.488931
0.8993	0.445502	0.534898	0.041259	0.084941	0.402339	0.491061
0.8993	0.445502	0.534898	0.041259	0.084941	0.402339	0.491061
0.8993	0.445502	0.534898	0.041259	0.084941	0.402339	0.491061
0.8993	0.445502	0.534898	0.041259	0.084941	0.402339	0.491061
0.8993	0.443298	0.532702	0.041259	0.084941	0.404508	0.493292
0.8993	0.443298	0.532702	0.041259	0.084941	0.404508	0.493292
0.8993	0.441094	0.530506	0.041259	0.084941	0.406679	0.495521
0.8993	0.441094	0.530506	0.041259	0.084941	0.406679	0.495521
0.8993	0.441094	0.530506	0.041259	0.084941	0.406679	0.495521
0.8993	0.441094	0.530506	0.041259	0.084941	0.406679	0.495521
0.8993	0.43889	0.52831	0.041259	0.084941	0.40885	0.49775
0.8993	0.43889	0.52831	0.041259	0.084941	0.40885	0.49775
0.8993	0.434585	0.524015	0.041259	0.084941	0.413194	0.502206
0.8993	0.434585	0.524015	0.041259	0.084941	0.413194	0.502206
0.8993	0.432384	0.521816	0.041259	0.084941	0.415367	0.504433
0.8993	0.432384	0.521816	0.041259	0.084941	0.415367	0.504433
0.8993	0.430184	0.519616	0.041259	0.084941	0.417442	0.506558
0.8993	0.430184	0.519616	0.041259	0.084941	0.417442	0.506558
0.8993	0.427984	0.517416	0.041259	0.084941	0.419617	0.508783
0.8993	0.427984	0.517416	0.041259	0.084941	0.419617	0.508783
0.8993	0.423589	0.513011	0.041259	0.084941	0.423971	0.513229
0.8993	0.423589	0.513011	0.041259	0.084941	0.423971	0.513229
0.8951	0.421393	0.510807	0.043094	0.087506	0.423971	0.513229
0.8951	0.421393	0.510807	0.043094	0.087506	0.423971	0.513229
0.8909	0.419197	0.508603	0.044836	0.089964	0.423971	0.513229
0.8909	0.419197	0.508603	0.044836	0.089964	0.423971	0.513229
0.8867	0.417103	0.506497	0.046686	0.092514	0.423971	0.513229
0.8867	0.417103	0.506497	0.046686	0.092514	0.423971	0.513229
0.8867	0.414909	0.504291	0.046686	0.092514	0.426149	0.515451
0.8867	0.414909	0.504291	0.046686	0.092514	0.426149	0.515451
0.8867	0.412716	0.502084	0.046686	0.092514	0.428327	0.517673
0.8867	0.412716	0.502084	0.046686	0.092514	0.428327	0.517673
0.8867	0.410523	0.499877	0.046686	0.092514	0.430507	0.519893
0.8867	0.410523	0.499877	0.046686	0.092514	0.430507	0.519893
0.8824	0.408331	0.497669	0.048536	0.095064	0.430507	0.519893
0.8824	0.408331	0.497669	0.048536	0.095064	0.430507	0.519893
0.8824	0.406139	0.495461	0.048536	0.095064	0.432686	0.522114
0.8824	0.406139	0.495461	0.048536	0.095064	0.432686	0.522114
0.8824	0.403848	0.493152	0.048536	0.095064	0.434865	0.524335
0.8824	0.403848	0.493152	0.048536	0.095064	0.434865	0.524335
0.8824	0.401657	0.490943	0.048536	0.095064	0.437045	0.526555
0.8824	0.401657	0.490943	0.048536	0.095064	0.437045	0.526555
0.8824	0.399468	0.488732	0.048536	0.095064	0.439325	0.528875

0.8824	0.399468	0.488732	0.048536	0.095064	0.439325	0.528875
0.8824	0.397279	0.486521	0.048536	0.095064	0.441507	0.531093
0.8824	0.397279	0.486521	0.048536	0.095064	0.441507	0.531093
0.8824	0.395092	0.484308	0.048536	0.095064	0.44369	0.53331
0.8824	0.395092	0.484308	0.048536	0.095064	0.44369	0.53331
0.8824	0.392805	0.481995	0.048536	0.095064	0.445874	0.535526
0.8824	0.392805	0.481995	0.048536	0.095064	0.445874	0.535526
0.8824	0.390619	0.479781	0.048536	0.095064	0.448158	0.537842
0.8824	0.390619	0.479781	0.048536	0.095064	0.448158	0.537842
0.8779	0.388433	0.477567	0.050485	0.097715	0.448158	0.537842
0.8779	0.388433	0.477567	0.050485	0.097715	0.448158	0.537842
0.8779	0.386148	0.475252	0.050485	0.097715	0.450342	0.540058
0.8779	0.386148	0.475252	0.050485	0.097715	0.450342	0.540058
0.8779	0.383962	0.473038	0.050485	0.097715	0.452625	0.542375
0.8779	0.383962	0.473038	0.050485	0.097715	0.452625	0.542375
0.8733	0.381678	0.470722	0.052334	0.100266	0.452625	0.542375
0.8733	0.381678	0.470722	0.052334	0.100266	0.452625	0.542375
0.8686	0.379394	0.468406	0.054286	0.102914	0.452625	0.542375
0.8686	0.379394	0.468406	0.054286	0.102914	0.452625	0.542375
0.8686	0.37721	0.46619	0.054286	0.102914	0.454809	0.544591
0.8686	0.37721	0.46619	0.054286	0.102914	0.454809	0.544591
0.8686	0.37721	0.46619	0.054286	0.102914	0.454809	0.544591
0.8686	0.37721	0.46619	0.054286	0.102914	0.454809	0.544591
0.8639	0.374927	0.463873	0.056241	0.105559	0.454809	0.544591
0.8639	0.374927	0.463873	0.056241	0.105559	0.454809	0.544591
0.8639	0.372645	0.461555	0.056241	0.105559	0.457092	0.546908
0.8639	0.372645	0.461555	0.056241	0.105559	0.457092	0.546908
0.8592	0.370364	0.459236	0.058202	0.108198	0.457092	0.546908
0.8592	0.370364	0.459236	0.058202	0.108198	0.457092	0.546908
0.8592	0.370364	0.459236	0.058202	0.108198	0.457092	0.546908
0.8592	0.370364	0.459236	0.058202	0.108198	0.457092	0.546908
0.8592	0.368083	0.456917	0.058202	0.108198	0.459375	0.549225
0.8592	0.368083	0.456917	0.058202	0.108198	0.459375	0.549225
0.8592	0.368083	0.456917	0.058202	0.108198	0.459375	0.549225
0.8592	0.368083	0.456917	0.058202	0.108198	0.459375	0.549225
0.8496	0.363522	0.452278	0.062129	0.113471	0.459375	0.549225
0.8496	0.363522	0.452278	0.062129	0.113471	0.459375	0.549225
0.8496	0.361242	0.449958	0.062129	0.113471	0.461656	0.551544
0.8496	0.361242	0.449958	0.062129	0.113471	0.461656	0.551544
0.8496	0.358964	0.447636	0.062129	0.113471	0.463939	0.553861
0.8496	0.358964	0.447636	0.062129	0.113471	0.463939	0.553861
0.8496	0.356687	0.445313	0.062129	0.113471	0.466323	0.556277
0.8496	0.356687	0.445313	0.062129	0.113471	0.466323	0.556277
0.8447	0.35441	0.44299	0.064098	0.116102	0.466323	0.556277
0.8447	0.35441	0.44299	0.064098	0.116102	0.466323	0.556277
0.8447	0.35441	0.44299	0.064098	0.116102	0.466323	0.556277
0.8447	0.35441	0.44299	0.064098	0.116102	0.466323	0.556277
0.8447	0.349757	0.438243	0.064098	0.116102	0.470888	0.560912
0.8447	0.349757	0.438243	0.064098	0.116102	0.470888	0.560912
0.8397	0.347382	0.435818	0.066064	0.118736	0.470888	0.560912
0.8397	0.347382	0.435818	0.066064	0.118736	0.470888	0.560912
0.8346	0.345109	0.433491	0.068137	0.121463	0.470888	0.560912

0.8346	0.345109	0.433491	0.068137	0.121463	0.470888	0.560912
0.8296	0.342737	0.431063	0.070116	0.124084	0.470888	0.560912
0.8296	0.342737	0.431063	0.070116	0.124084	0.470888	0.560912
0.8296	0.340466	0.428734	0.070116	0.124084	0.473273	0.563327
0.8296	0.340466	0.428734	0.070116	0.124084	0.473273	0.563327
0.8245	0.338095	0.426305	0.072196	0.126804	0.473273	0.563327
0.8245	0.338095	0.426305	0.072196	0.126804	0.473273	0.563327
0.8245	0.338095	0.426305	0.072196	0.126804	0.473273	0.563327
0.8245	0.338095	0.426305	0.072196	0.126804	0.473273	0.563327
0.8194	0.335723	0.423877	0.074274	0.129526	0.473273	0.563327
0.8194	0.335723	0.423877	0.074274	0.129526	0.473273	0.563327
0.8194	0.333351	0.421449	0.074274	0.129526	0.475652	0.565748
0.8194	0.333351	0.421449	0.074274	0.129526	0.475652	0.565748
0.8142	0.33098	0.41902	0.076353	0.132247	0.475652	0.565748
0.8142	0.33098	0.41902	0.076353	0.132247	0.475652	0.565748
0.8089	0.328611	0.416589	0.078437	0.134963	0.475652	0.565748
0.8089	0.328611	0.416589	0.078437	0.134963	0.475652	0.565748
0.8089	0.328611	0.416589	0.078437	0.134963	0.475652	0.565748
0.8089	0.328611	0.416589	0.078437	0.134963	0.475652	0.565748
0.8089	0.326241	0.414159	0.078437	0.134963	0.478032	0.568168
0.8089	0.326241	0.414159	0.078437	0.134963	0.478032	0.568168
0.8089	0.326241	0.414159	0.078437	0.134963	0.478032	0.568168
0.8089	0.326241	0.414159	0.078437	0.134963	0.478032	0.568168
0.8089	0.323871	0.411729	0.078437	0.134963	0.480509	0.570691
0.8089	0.323871	0.411729	0.078437	0.134963	0.480509	0.570691
0.8035	0.321398	0.409202	0.080604	0.137796	0.480509	0.570691
0.8035	0.321398	0.409202	0.080604	0.137796	0.480509	0.570691
0.8035	0.321398	0.409202	0.080604	0.137796	0.480509	0.570691
0.8035	0.321398	0.409202	0.080604	0.137796	0.480509	0.570691
0.8035	0.318926	0.406674	0.080604	0.137796	0.482982	0.573218
0.8035	0.318926	0.406674	0.080604	0.137796	0.482982	0.573218
0.8035	0.316455	0.404145	0.080604	0.137796	0.485456	0.575744
0.8035	0.316455	0.404145	0.080604	0.137796	0.485456	0.575744
0.8035	0.316455	0.404145	0.080604	0.137796	0.485456	0.575744
0.8035	0.316455	0.404145	0.080604	0.137796	0.485456	0.575744
0.8035	0.313883	0.401517	0.080604	0.137796	0.487928	0.578272
0.8035	0.313883	0.401517	0.080604	0.137796	0.487928	0.578272
0.8035	0.313883	0.401517	0.080604	0.137796	0.487928	0.578272
0.8035	0.313883	0.401517	0.080604	0.137796	0.487928	0.578272
0.8035	0.311411	0.398989	0.080604	0.137796	0.4905	0.5809
0.8035	0.311411	0.398989	0.080604	0.137796	0.4905	0.5809
0.8035	0.311411	0.398989	0.080604	0.137796	0.4905	0.5809
0.8035	0.311411	0.398989	0.080604	0.137796	0.4905	0.5809
0.8035	0.308838	0.396362	0.080604	0.137796	0.492971	0.583429
0.8035	0.308838	0.396362	0.080604	0.137796	0.492971	0.583429
0.8035	0.308838	0.396362	0.080604	0.137796	0.492971	0.583429
0.8035	0.308838	0.396362	0.080604	0.137796	0.492971	0.583429
0.8035	0.306266	0.393734	0.080604	0.137796	0.495542	0.586058
0.8035	0.306266	0.393734	0.080604	0.137796	0.495542	0.586058
0.8035	0.303696	0.391104	0.080604	0.137796	0.498115	0.588685
0.8035	0.303696	0.391104	0.080604	0.137796	0.498115	0.588685
0.7975	0.301128	0.388472	0.082745	0.140655	0.498115	0.588685

0.7975	0.301128	0.388472	0.082745	0.140655	0.498115	0.588685
0.7975	0.301128	0.388472	0.082745	0.140655	0.498115	0.588685
0.7975	0.301128	0.388472	0.082745	0.140655	0.498115	0.588685
0.7975	0.298557	0.385843	0.082745	0.140655	0.500785	0.591415
0.7975	0.298557	0.385843	0.082745	0.140655	0.500785	0.591415
0.7975	0.298557	0.385843	0.082745	0.140655	0.500785	0.591415
0.7975	0.298557	0.385843	0.082745	0.140655	0.500785	0.591415
0.7913	0.295887	0.383113	0.085074	0.143726	0.500785	0.591415
0.7913	0.295887	0.383113	0.085074	0.143726	0.500785	0.591415
0.7913	0.293319	0.380481	0.085074	0.143726	0.503355	0.594045
0.7913	0.293319	0.380481	0.085074	0.143726	0.503355	0.594045
0.7913	0.290651	0.377749	0.085074	0.143726	0.506024	0.596776
0.7913	0.290651	0.377749	0.085074	0.143726	0.506024	0.596776
0.785	0.287985	0.375015	0.087405	0.146795	0.506024	0.596776
0.785	0.287985	0.375015	0.087405	0.146795	0.506024	0.596776
0.785	0.28276	0.36964	0.087405	0.146795	0.511269	0.602131
0.785	0.28276	0.36964	0.087405	0.146795	0.511269	0.602131
0.785	0.280102	0.366898	0.087405	0.146795	0.513945	0.604855
0.785	0.280102	0.366898	0.087405	0.146795	0.513945	0.604855
0.785	0.277545	0.364255	0.087405	0.146795	0.516623	0.607577
0.785	0.277545	0.364255	0.087405	0.146795	0.516623	0.607577
0.785	0.277545	0.364255	0.087405	0.146795	0.516623	0.607577
0.785	0.277545	0.364255	0.087405	0.146795	0.516623	0.607577
0.785	0.274888	0.361512	0.087405	0.146795	0.5193	0.6103
0.785	0.274888	0.361512	0.087405	0.146795	0.5193	0.6103
0.7783	0.269478	0.355922	0.08973	0.14987	0.521977	0.613023
0.7783	0.269478	0.355922	0.08973	0.14987	0.521977	0.613023
0.7783	0.266826	0.353174	0.08973	0.14987	0.524656	0.615744
0.7783	0.266826	0.353174	0.08973	0.14987	0.524656	0.615744
0.7783	0.264177	0.350423	0.08973	0.14987	0.527337	0.618463
0.7783	0.264177	0.350423	0.08973	0.14987	0.527337	0.618463
0.7783	0.264177	0.350423	0.08973	0.14987	0.527337	0.618463
0.7783	0.264177	0.350423	0.08973	0.14987	0.527337	0.618463
0.7783	0.261428	0.347572	0.08973	0.14987	0.530118	0.621282
0.7783	0.261428	0.347572	0.08973	0.14987	0.530118	0.621282
0.7712	0.25878	0.34482	0.092148	0.153052	0.530118	0.621282
0.7712	0.25878	0.34482	0.092148	0.153052	0.530118	0.621282
0.7712	0.25878	0.34482	0.092148	0.153052	0.530118	0.621282
0.7712	0.25878	0.34482	0.092148	0.153052	0.530118	0.621282
0.7712	0.255928	0.341872	0.092148	0.153052	0.532892	0.624108
0.7712	0.255928	0.341872	0.092148	0.153052	0.532892	0.624108
0.7712	0.255928	0.341872	0.092148	0.153052	0.532892	0.624108
0.7712	0.255928	0.341872	0.092148	0.153052	0.532892	0.624108
0.7712	0.253176	0.339024	0.092148	0.153052	0.535665	0.626935
0.7712	0.253176	0.339024	0.092148	0.153052	0.535665	0.626935
0.7712	0.250428	0.336172	0.092148	0.153052	0.538541	0.629859
0.7712	0.250428	0.336172	0.092148	0.153052	0.538541	0.629859
0.7712	0.247583	0.333217	0.092148	0.153052	0.54132	0.63268
0.7712	0.247583	0.333217	0.092148	0.153052	0.54132	0.63268
0.7636	0.24484	0.33036	0.09455	0.15625	0.54132	0.63268
0.7636	0.24484	0.33036	0.09455	0.15625	0.54132	0.63268
0.7561	0.242001	0.327399	0.097061	0.159539	0.54132	0.63268

0.7561	0.242001	0.327399	0.097061	0.159539	0.54132	0.63268
0.7561	0.242001	0.327399	0.097061	0.159539	0.54132	0.63268
0.7561	0.242001	0.327399	0.097061	0.159539	0.54132	0.63268
0.7561	0.239162	0.324438	0.097061	0.159539	0.544198	0.635602
0.7561	0.239162	0.324438	0.097061	0.159539	0.544198	0.635602
0.7561	0.239162	0.324438	0.097061	0.159539	0.544198	0.635602
0.7561	0.239162	0.324438	0.097061	0.159539	0.544198	0.635602
0.7483	0.236323	0.321477	0.099563	0.162837	0.544198	0.635602
0.7483	0.236323	0.321477	0.099563	0.162837	0.544198	0.635602
0.7483	0.236323	0.321477	0.099563	0.162837	0.544198	0.635602
0.7483	0.236323	0.321477	0.099563	0.162837	0.544198	0.635602
0.7483	0.233484	0.318516	0.099563	0.162837	0.547072	0.638528
0.7483	0.233484	0.318516	0.099563	0.162837	0.547072	0.638528
0.7483	0.233484	0.318516	0.099563	0.162837	0.547072	0.638528
0.7483	0.233484	0.318516	0.099563	0.162837	0.547072	0.638528
0.7483	0.230545	0.315455	0.099563	0.162837	0.550044	0.641556
0.7483	0.230545	0.315455	0.099563	0.162837	0.550044	0.641556
0.7483	0.227606	0.312394	0.099563	0.162837	0.553016	0.644584
0.7483	0.227606	0.312394	0.099563	0.162837	0.553016	0.644584
0.7483	0.227606	0.312394	0.099563	0.162837	0.553016	0.644584
0.7483	0.227606	0.312394	0.099563	0.162837	0.553016	0.644584
0.7483	0.227606	0.312394	0.099563	0.162837	0.553016	0.644584
0.7483	0.227606	0.312394	0.099563	0.162837	0.553016	0.644584
0.7483	0.22456	0.30924	0.099563	0.162837	0.556077	0.647723
0.7483	0.22456	0.30924	0.099563	0.162837	0.556077	0.647723
0.7483	0.221517	0.306083	0.099563	0.162837	0.559142	0.650858
0.7483	0.221517	0.306083	0.099563	0.162837	0.559142	0.650858
0.7483	0.218479	0.302921	0.099563	0.162837	0.562211	0.653989
0.7483	0.218479	0.302921	0.099563	0.162837	0.562211	0.653989
0.7483	0.215446	0.299754	0.099563	0.162837	0.565285	0.657115
0.7483	0.215446	0.299754	0.099563	0.162837	0.565285	0.657115
0.7483	0.215446	0.299754	0.099563	0.162837	0.565285	0.657115
0.7483	0.215446	0.299754	0.099563	0.162837	0.565285	0.657115
0.7483	0.215446	0.299754	0.099563	0.162837	0.565285	0.657115
0.7483	0.215446	0.299754	0.099563	0.162837	0.565285	0.657115
0.7483	0.215446	0.299754	0.099563	0.162837	0.565285	0.657115
0.7483	0.215446	0.299754	0.099563	0.162837	0.565285	0.657115
0.7483	0.215446	0.299754	0.099563	0.162837	0.565285	0.657115
0.7388	0.212198	0.296402	0.102259	0.166541	0.565285	0.657115
0.7388	0.212198	0.296402	0.102259	0.166541	0.565285	0.657115
0.7388	0.212198	0.296402	0.102259	0.166541	0.565285	0.657115
0.7388	0.212198	0.296402	0.102259	0.166541	0.565285	0.657115
0.7388	0.212198	0.296402	0.102259	0.166541	0.565285	0.657115
0.7388	0.212198	0.296402	0.102259	0.166541	0.565285	0.657115
0.7291	0.208944	0.293056	0.105141	0.170459	0.565285	0.657115
0.7291	0.208944	0.293056	0.105141	0.170459	0.565285	0.657115
0.7291	0.208944	0.293056	0.105141	0.170459	0.565285	0.657115
0.7291	0.208944	0.293056	0.105141	0.170459	0.565285	0.657115
0.7291	0.208944	0.293056	0.105141	0.170459	0.565285	0.657115
0.7291	0.208944	0.293056	0.105141	0.170459	0.565285	0.657115
0.7191	0.205584	0.289616	0.108007	0.174393	0.565285	0.657115

0.7191	0.205584	0.289616	0.108007	0.174393	0.565285	0.657115
0.7191	0.205584	0.289616	0.108007	0.174393	0.565285	0.657115
0.7191	0.205584	0.289616	0.108007	0.174393	0.565285	0.657115
0.7191	0.205584	0.289616	0.108007	0.174393	0.565285	0.657115
0.7191	0.205584	0.289616	0.108007	0.174393	0.565285	0.657115
0.7191	0.202016	0.285984	0.108007	0.174393	0.568796	0.660804
0.7191	0.202016	0.285984	0.108007	0.174393	0.568796	0.660804
0.7191	0.198556	0.282444	0.108007	0.174393	0.572215	0.664385
0.7191	0.198556	0.282444	0.108007	0.174393	0.572215	0.664385
0.7191	0.194996	0.278804	0.108007	0.174393	0.575732	0.668068
0.7191	0.194996	0.278804	0.108007	0.174393	0.575732	0.668068
0.7191	0.194996	0.278804	0.108007	0.174393	0.575732	0.668068
0.7191	0.194996	0.278804	0.108007	0.174393	0.575732	0.668068
0.7191	0.191436	0.275164	0.108007	0.174393	0.579248	0.671752
0.7191	0.191436	0.275164	0.108007	0.174393	0.579248	0.671752
0.7191	0.191436	0.275164	0.108007	0.174393	0.579248	0.671752
0.7191	0.191436	0.275164	0.108007	0.174393	0.579248	0.671752
0.7191	0.191436	0.275164	0.108007	0.174393	0.579248	0.671752
0.7191	0.191436	0.275164	0.108007	0.174393	0.579248	0.671752
0.7075	0.187667	0.271333	0.111174	0.178826	0.579248	0.671752
0.7075	0.187667	0.271333	0.111174	0.178826	0.579248	0.671752
0.7075	0.183908	0.267492	0.111174	0.178826	0.582951	0.675649
0.7075	0.183908	0.267492	0.111174	0.178826	0.582951	0.675649
0.7075	0.180259	0.263741	0.111174	0.178826	0.586664	0.679536
0.7075	0.180259	0.263741	0.111174	0.178826	0.586664	0.679536
0.6953	0.17641	0.25979	0.114341	0.183259	0.586664	0.679536
0.6953	0.17641	0.25979	0.114341	0.183259	0.586664	0.679536
0.6953	0.17641	0.25979	0.114341	0.183259	0.586664	0.679536
0.6953	0.17641	0.25979	0.114341	0.183259	0.586664	0.679536
0.6953	0.172562	0.255838	0.114341	0.183259	0.590462	0.683538
0.6953	0.172562	0.255838	0.114341	0.183259	0.590462	0.683538
0.6953	0.172562	0.255838	0.114341	0.183259	0.590462	0.683538
0.6953	0.172562	0.255838	0.114341	0.183259	0.590462	0.683538
0.6953	0.168713	0.251887	0.114341	0.183259	0.594258	0.687542
0.6953	0.168713	0.251887	0.114341	0.183259	0.594258	0.687542
0.6822	0.164777	0.247823	0.11768	0.18792	0.594258	0.687542
0.6822	0.164777	0.247823	0.11768	0.18792	0.594258	0.687542
0.6822	0.160854	0.243746	0.11768	0.18792	0.598165	0.691635
0.6822	0.160854	0.243746	0.11768	0.18792	0.598165	0.691635
0.6688	0.153146	0.235654	0.120947	0.192453	0.602083	0.695717
0.6688	0.153146	0.235654	0.120947	0.192453	0.602083	0.695717
0.6688	0.149249	0.231551	0.120947	0.192453	0.605999	0.699801
0.6688	0.149249	0.231551	0.120947	0.192453	0.605999	0.699801
0.6688	0.149249	0.231551	0.120947	0.192453	0.605999	0.699801
0.6688	0.149249	0.231551	0.120947	0.192453	0.605999	0.699801
0.6688	0.149249	0.231551	0.120947	0.192453	0.605999	0.699801
0.6688	0.149249	0.231551	0.120947	0.192453	0.605999	0.699801
0.6539	0.145036	0.227164	0.124542	0.197458	0.605999	0.699801
0.6539	0.145036	0.227164	0.124542	0.197458	0.605999	0.699801
0.6391	0.140941	0.222859	0.128069	0.202331	0.605999	0.699801
0.6391	0.140941	0.222859	0.128069	0.202331	0.605999	0.699801
0.6391	0.136863	0.218537	0.128069	0.202331	0.610093	0.704107

0.6391	0.136863	0.218537	0.128069	0.202331	0.610093	0.704107
0.6391	0.136863	0.218537	0.128069	0.202331	0.610093	0.704107
0.6391	0.136863	0.218537	0.128069	0.202331	0.610093	0.704107
0.6391	0.132586	0.214014	0.128069	0.202331	0.614382	0.708618
0.6391	0.132586	0.214014	0.128069	0.202331	0.614382	0.708618
0.6391	0.132586	0.214014	0.128069	0.202331	0.614382	0.708618
0.6391	0.132586	0.214014	0.128069	0.202331	0.614382	0.708618
0.6391	0.132586	0.214014	0.128069	0.202331	0.614382	0.708618
0.6391	0.132586	0.214014	0.128069	0.202331	0.614382	0.708618
0.6218	0.128064	0.209336	0.131954	0.207846	0.614382	0.708618
0.6218	0.128064	0.209336	0.131954	0.207846	0.614382	0.708618
0.6218	0.123242	0.204358	0.131954	0.207846	0.618986	0.713614
0.6218	0.123242	0.204358	0.131954	0.207846	0.618986	0.713614
0.6218	0.11855	0.19945	0.131954	0.207846	0.623616	0.718584
0.6218	0.11855	0.19945	0.131954	0.207846	0.623616	0.718584
0.6218	0.113889	0.194511	0.131954	0.207846	0.628271	0.723529
0.6218	0.113889	0.194511	0.131954	0.207846	0.628271	0.723529
0.5829	0.104657	0.184543	0.139956	0.219044	0.628271	0.723529
0.5829	0.104657	0.184543	0.139956	0.219044	0.628271	0.723529
0.5829	0.099987	0.179413	0.139956	0.219044	0.632953	0.728447
0.5829	0.099987	0.179413	0.139956	0.219044	0.632953	0.728447
0.5829	0.095219	0.174181	0.139956	0.219044	0.637823	0.733577
0.5829	0.095219	0.174181	0.139956	0.219044	0.637823	0.733577
0.5613	0.090589	0.169011	0.144161	0.224839	0.637823	0.733577
0.5613	0.090589	0.169011	0.144161	0.224839	0.637823	0.733577
0.5613	0.085896	0.163704	0.144161	0.224839	0.642724	0.738676
0.5613	0.085896	0.163704	0.144161	0.224839	0.642724	0.738676
0.5389	0.081242	0.158358	0.148415	0.230585	0.642724	0.738676
0.5389	0.081242	0.158358	0.148415	0.230585	0.642724	0.738676
0.5389	0.076628	0.152972	0.148415	0.230585	0.647653	0.743747
0.5389	0.076628	0.152972	0.148415	0.230585	0.647653	0.743747
0.5389	0.076628	0.152972	0.148415	0.230585	0.647653	0.743747
0.5389	0.076628	0.152972	0.148415	0.230585	0.647653	0.743747
0.5389	0.076628	0.152972	0.148415	0.230585	0.647653	0.743747
0.5389	0.076628	0.152972	0.148415	0.230585	0.647653	0.743747
0.5389	0.071472	0.147128	0.148415	0.230585	0.653011	0.749389
0.5389	0.071472	0.147128	0.148415	0.230585	0.653011	0.749389
0.5389	0.071472	0.147128	0.148415	0.230585	0.653011	0.749389
0.5389	0.071472	0.147128	0.148415	0.230585	0.653011	0.749389
0.5389	0.06612	0.14108	0.148415	0.230585	0.658548	0.755252
0.5389	0.06612	0.14108	0.148415	0.230585	0.658548	0.755252
0.509	0.060744	0.134856	0.153123	0.237277	0.658548	0.755252
0.509	0.060744	0.134856	0.153123	0.237277	0.658548	0.755252
0.509	0.055548	0.128652	0.153123	0.237277	0.664242	0.761158
0.509	0.055548	0.128652	0.153123	0.237277	0.664242	0.761158
0.4771	0.050335	0.122265	0.158017	0.243983	0.664242	0.761158
0.4771	0.050335	0.122265	0.158017	0.243983	0.664242	0.761158
0.4771	0.045309	0.115891	0.158017	0.243983	0.669892	0.766908
0.4771	0.045309	0.115891	0.158017	0.243983	0.669892	0.766908
0.4771	0.040275	0.109325	0.158017	0.243983	0.675698	0.772702
0.4771	0.040275	0.109325	0.158017	0.243983	0.675698	0.772702
0.4771	0.03534	0.10266	0.158017	0.243983	0.681561	0.778439

0.4771	0.03534	0.10266	0.158017	0.243983	0.681561	0.778439
0.4374	0.03061	0.09599	0.162993	0.250607	0.681561	0.778439
0.4374	0.03061	0.09599	0.162993	0.250607	0.681561	0.778439
0.4374	0.025897	0.089103	0.162993	0.250607	0.68738	0.78402
0.4374	0.025897	0.089103	0.162993	0.250607	0.68738	0.78402
0.4374	0.021411	0.082189	0.162993	0.250607	0.693357	0.789643
0.4374	0.021411	0.082189	0.162993	0.250607	0.693357	0.789643
0.3888	0.016971	0.075029	0.167944	0.257056	0.693357	0.789643
0.3888	0.016971	0.075029	0.167944	0.257056	0.693357	0.789643
0.3888	0.016971	0.075029	0.167944	0.257056	0.693357	0.789643
0.3888	0.016971	0.075029	0.167944	0.257056	0.693357	0.789643
0.3332	0.011905	0.067095	0.173582	0.264618	0.693357	0.789643
0.3332	0.011905	0.067095	0.173582	0.264618	0.693357	0.789643
0.3332	0.011905	0.067095	0.173582	0.264618	0.693357	0.789643
0.3332	0.011905	0.067095	0.173582	0.264618	0.693357	0.789643
0.2666	0.005548	0.057652	0.180196	0.273804	0.693357	0.789643
0.2666	0.005548	0.057652	0.180196	0.273804	0.693357	0.789643
0.2666	1.12E-05	0.047389	0.180196	0.273804	0.701046	0.797754
0.2666	1.12E-05	0.047389	0.180196	0.273804	0.701046	0.797754
0.2666	1.12E-05	0.047389	0.180196	0.273804	0.701046	0.797754
0.2666	1.12E-05	0.047389	0.180196	0.273804	0.701046	0.797754
0.1333	-0.008433	0.032033	0.18988	0.28772	0.701046	0.797754
0.1333	-0.008433	0.032033	0.18988	0.28772	0.701046	0.797754
0	0	0	0.202246	0.298954	0.701046	0.797754

Appendix E3. At risk table for article

Years to event	Patients at risk	Freedom from all events	Standard error of freedom from All events	Incidence of event 1	Freedom from event 1	Standard error of incidence of event 1	Incidence of event 2	Freedom from event 2
0	500	0.964	0.008331	0	1	0	0.036	0.964
1	431	0.87498	0.014855	0	1	0	0.12502	0.875
2	420	0.854669	0.015838	0	1	0	0.145331	0.8547
3	401	0.819943	0.01729	0	1	0	0.180057	0.8199
4	386	0.789272	0.018367	0	1	0	0.210728	0.7893
5	365	0.750291	0.019516	0.002056	0.9979	0.002053	0.247653	0.7523
6	342	0.708977	0.020512	0.01033	0.9897	0.004596	0.280693	0.7193
7	311	0.648605	0.021613	0.016587	0.9834	0.005815	0.334808	0.6652
8	296	0.619408	0.022004	0.022843	0.9772	0.006808	0.357749	0.6423
9	263	0.556207	0.022583	0.046033	0.954	0.009585	0.39776	0.6022
10	222	0.485832	0.02281	0.063063	0.9369	0.011144	0.451106	0.5489
11	176	0.40794	0.022642	0.08776	0.9122	0.013098	0.5043	0.4957
12	128	0.339547	0.022252	0.1144	0.8856	0.014962	0.546052	0.4539
13	93	0.275993	0.021692	0.131161	0.8688	0.016142	0.592845	0.4072
14	66	0.236902	0.02138	0.141207	0.8588	0.016936	0.621891	0.3781
15	42	0.177669	0.020836	0.165192	0.8348	0.018945	0.657138	0.3429
16	23	0.114786	0.019476	0.189496	0.8105	0.020962	0.695718	0.3043
17	15	0.086305	0.01835	0.201003	0.799	0.02193	0.712692	0.2873
18	10	0.057537	0.016124	0.206757	0.7932	0.022351	0.735706	0.2643
19	3	0.023672	0.012086	0.226977	0.773	0.02388	0.749351	0.2506
20	1	0.011836	0.010323	0.238813	0.7612	0.02496	0.749351	0.2506
21	0	0	0	0.250649	0.7494	0.024671	0.749351	0.2506

Appendix E4.

Standard error of incidence of event 2	Kaplan–Meier incidence of event 1	Kaplan–Meier actuarial freedom from event 1	Greenwood std err of Kaplan–Meier estimate
0.008331	0	1	0
0.014855	0	1	0
0.015838	0	1	0
0.01729	0	1	0
0.018367	0	1	0
0.019461	0.002732	0.9973	0.0027285
0.020284	0.014051	0.9859	0.0062407
0.021355	0.023392	0.9766	0.008187
0.02171	0.033083	0.9669	0.0098336
0.022213	0.07071	0.9293	0.0146
0.022664	0.100667	0.8993	0.0175612
0.022921	0.150386	0.8496	0.022101
0.02312	0.208706	0.7913	0.0267231
0.023331	0.251736	0.7483	0.0305377
0.023555	0.280916	0.7191	0.0336786
0.023984	0.36093	0.6391	0.043103
0.024514	0.461109	0.5389	0.0551523
0.024724	0.522857	0.4771	0.0638533
0.024653	0.562619	0.4374	0.0698232
0.024671	0.733406	0.2666	0.0896895
0.024671	0.866703	0.1333	0.1043797
0.024671	1	0	0